

FIG. 1

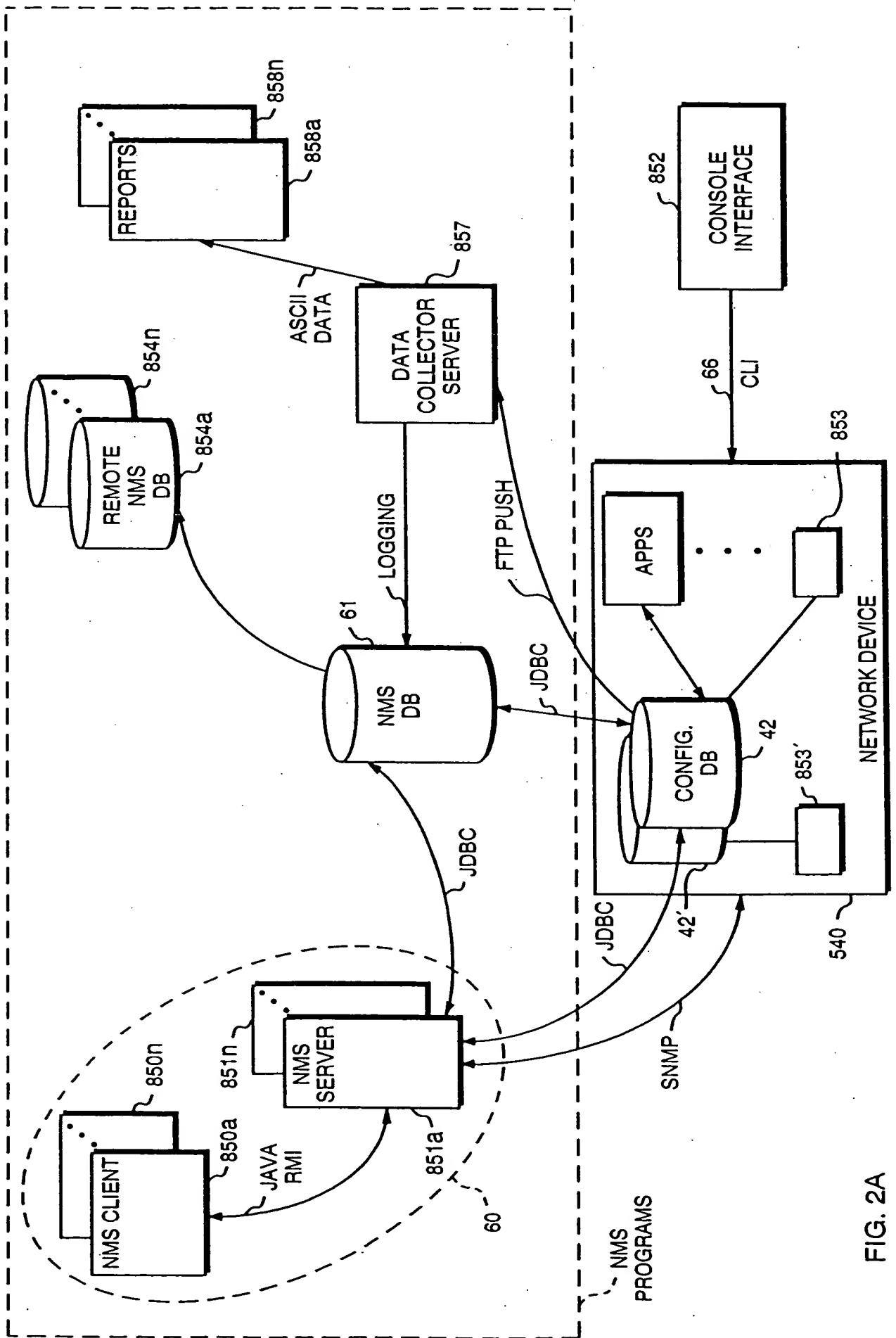


FIG. 2A

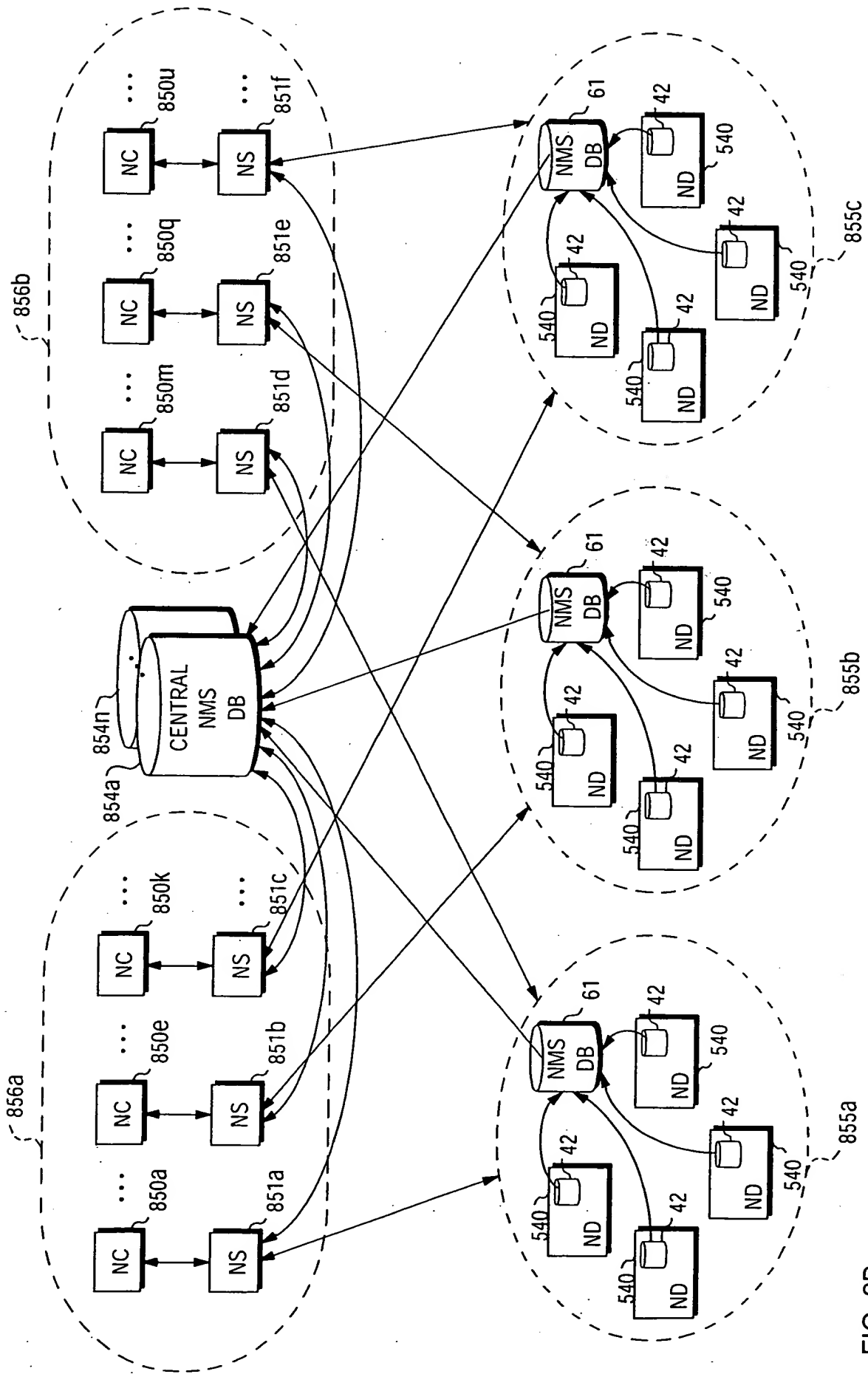


FIG. 2B

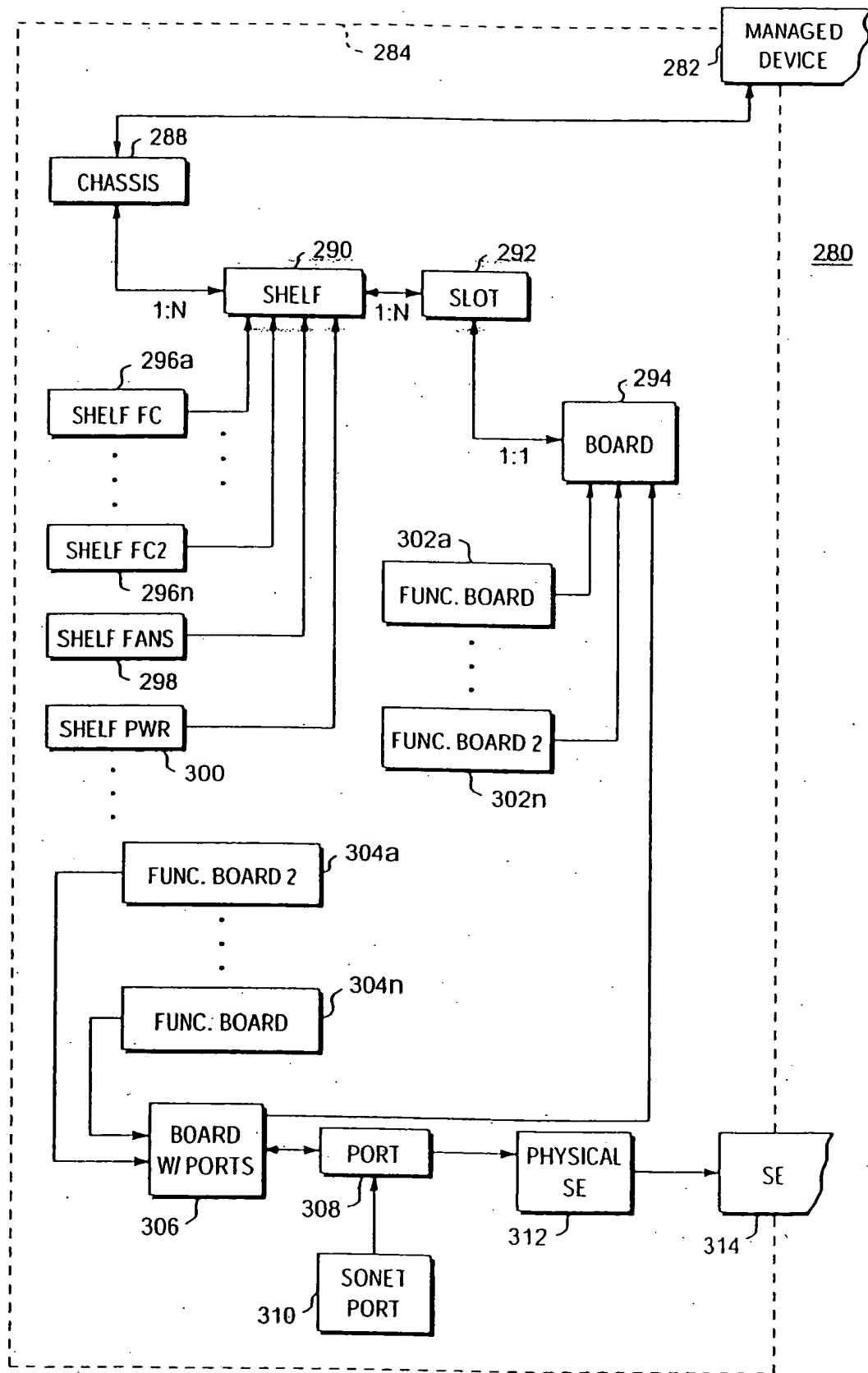
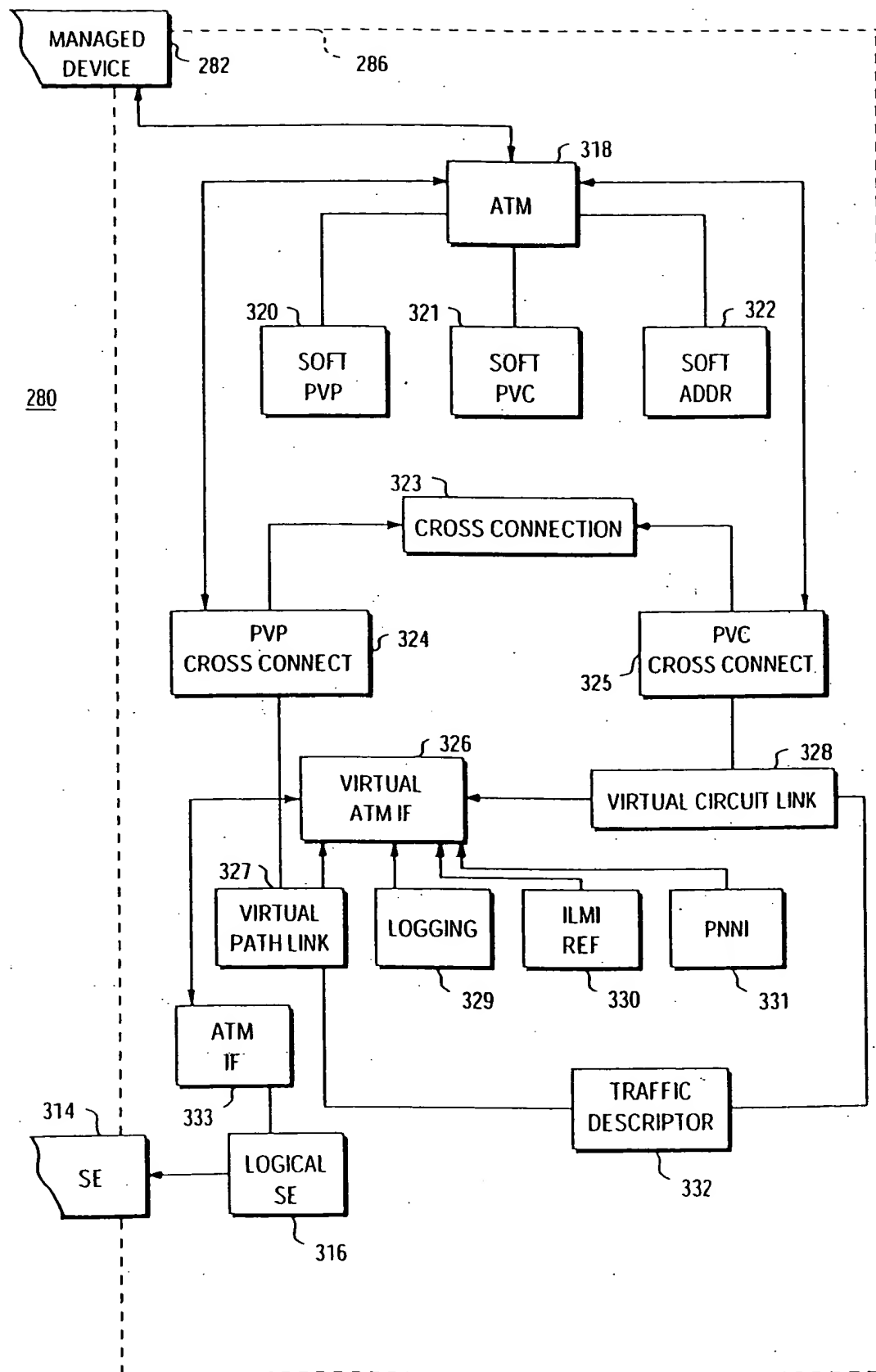


FIG. 3A



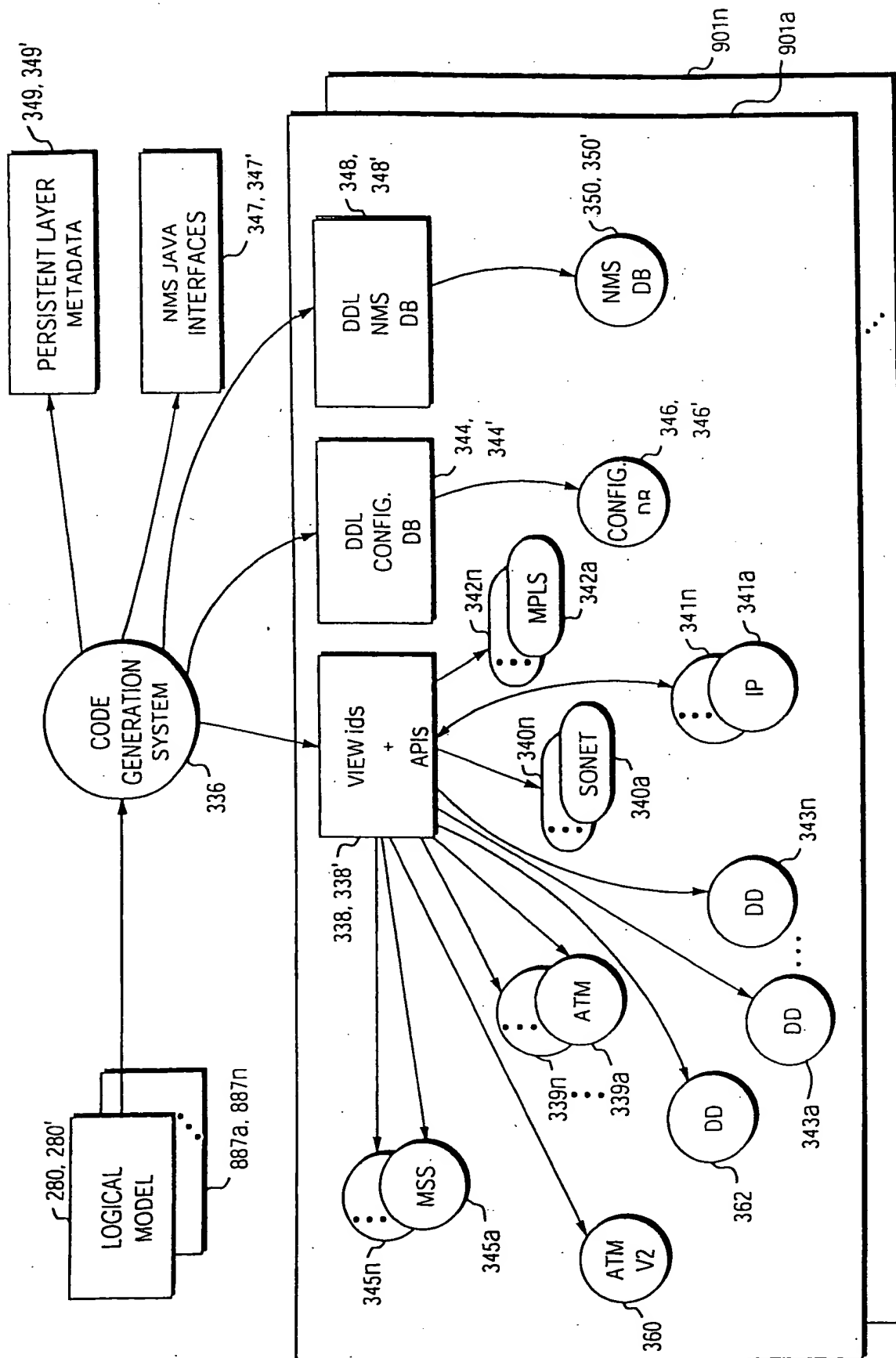


FIG. 3B

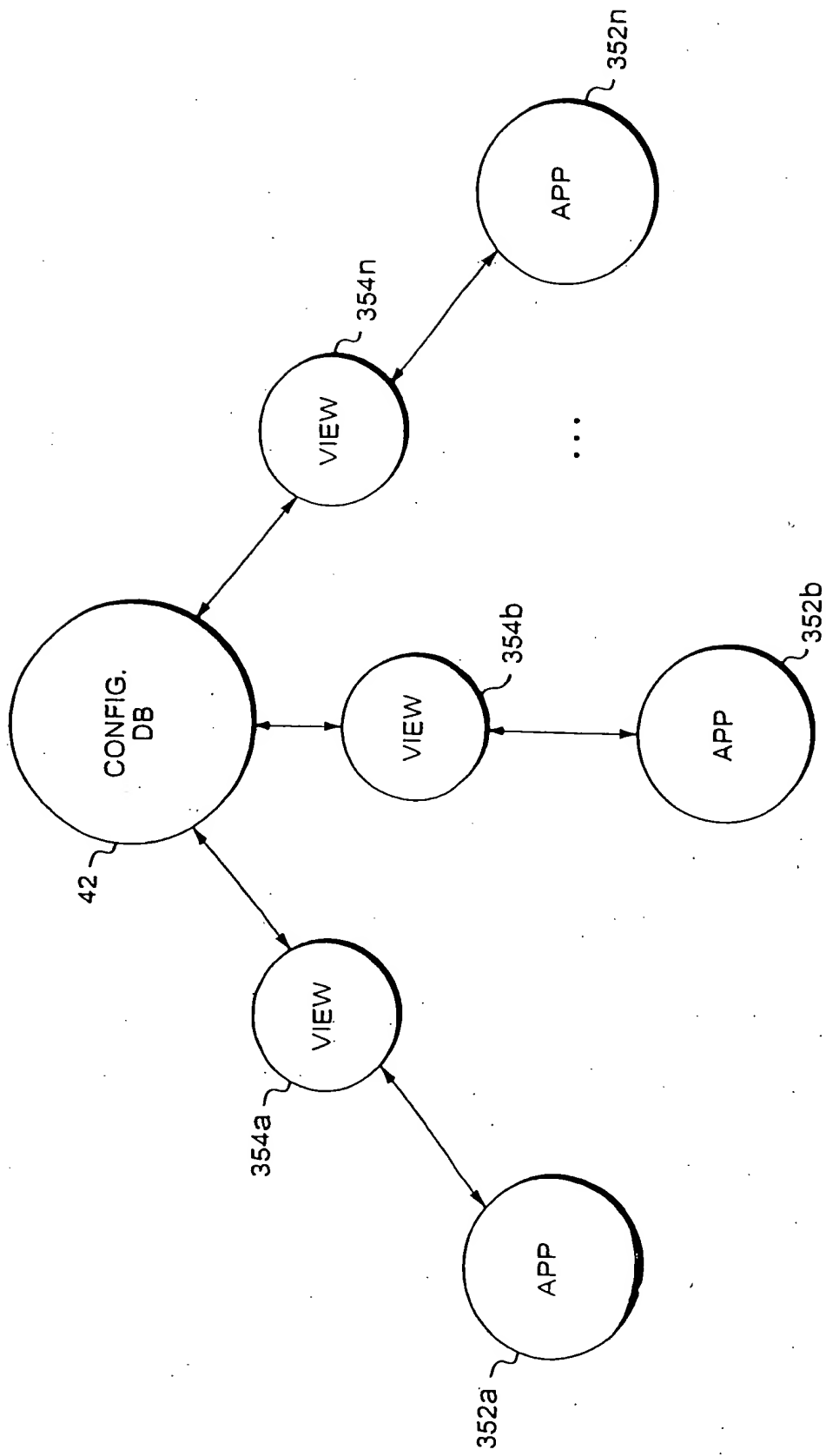


FIG. 3C

BUILD SONET APPLICATION

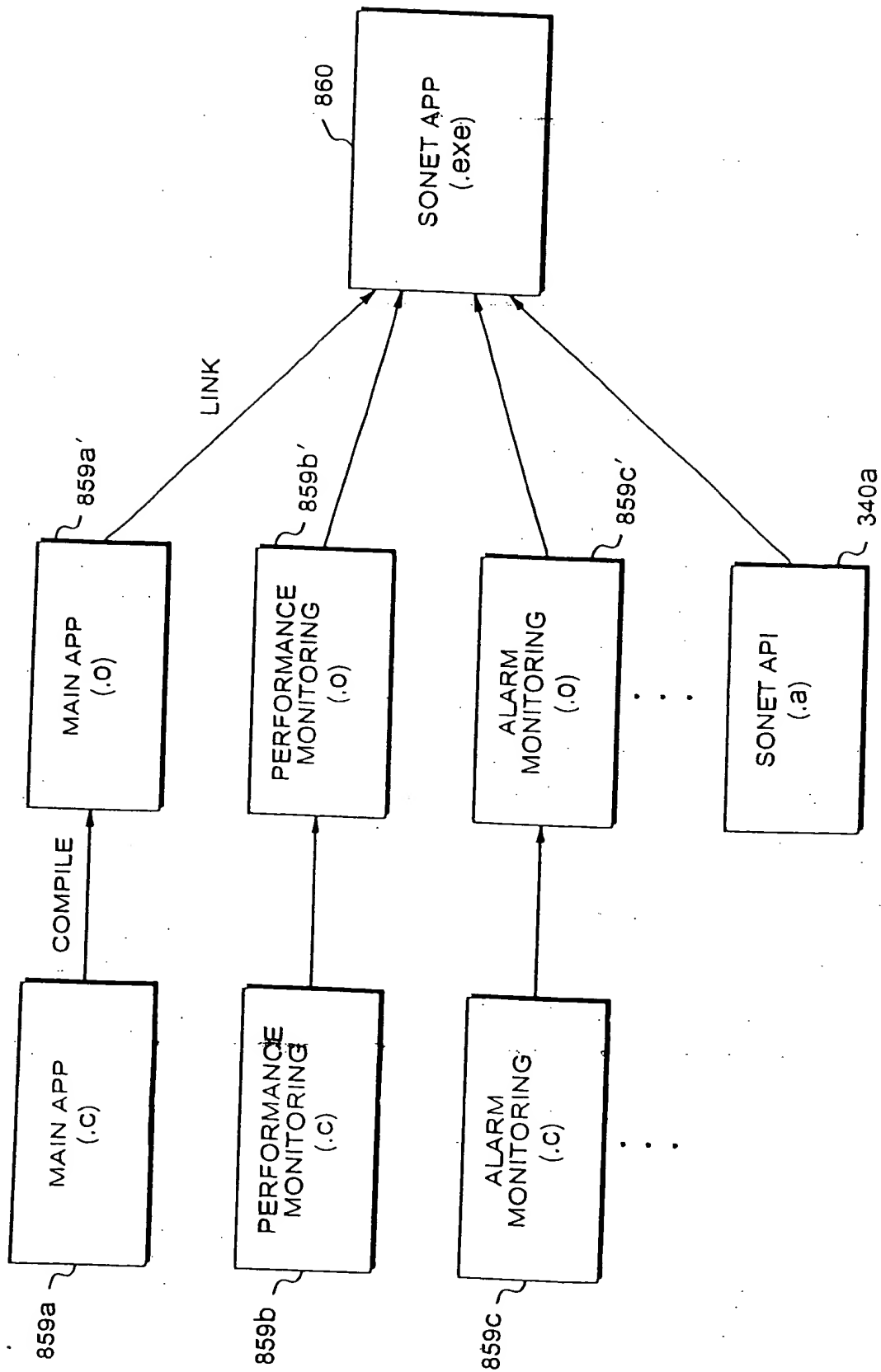


FIG. 3D

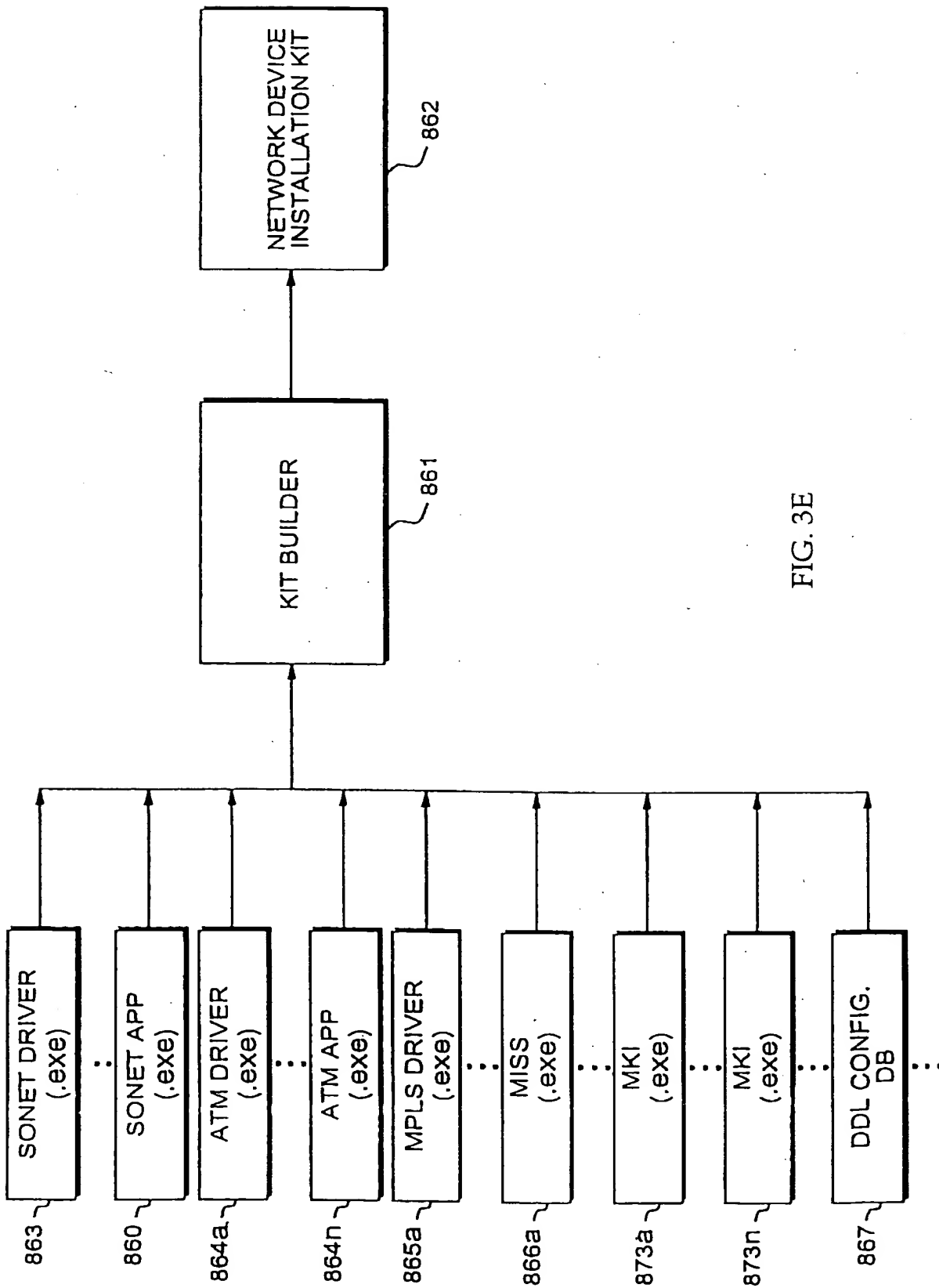


FIG. 3E

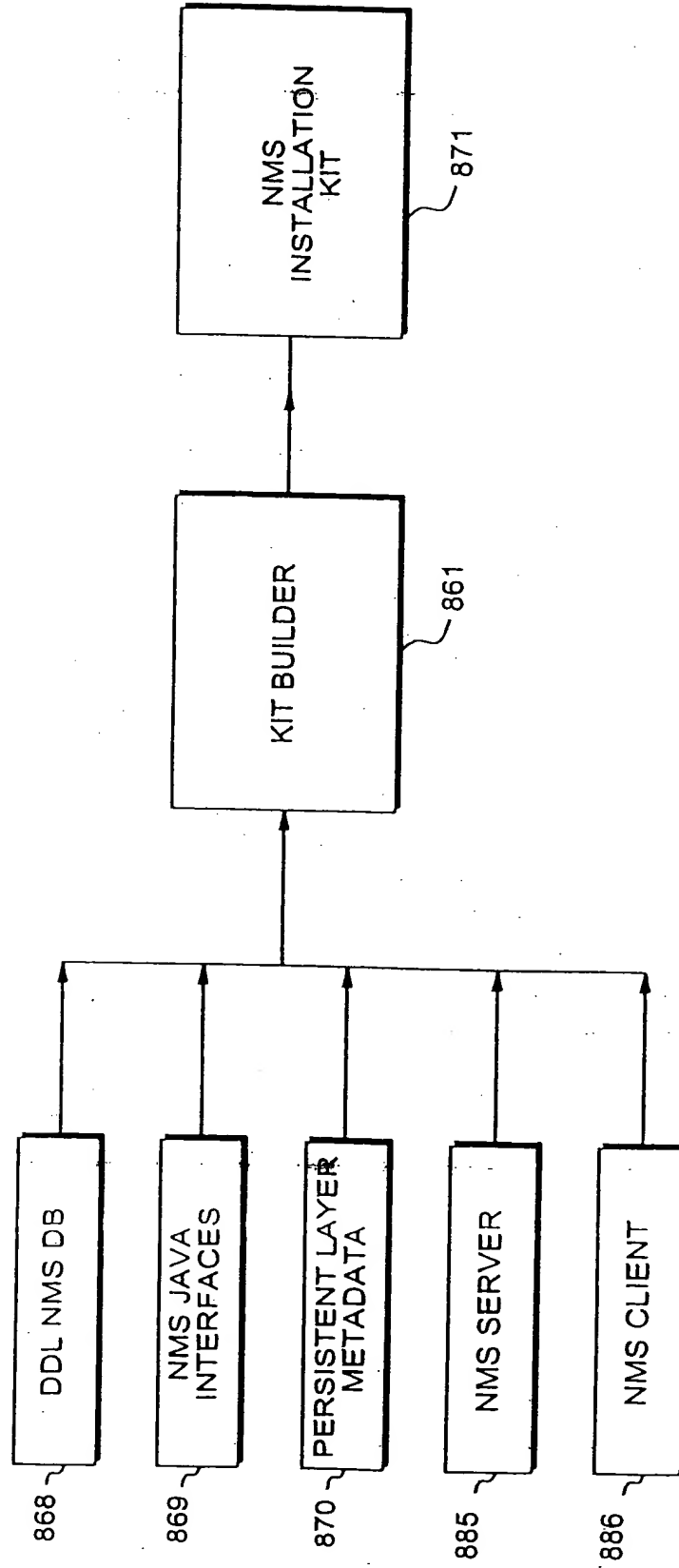


FIG. 3F

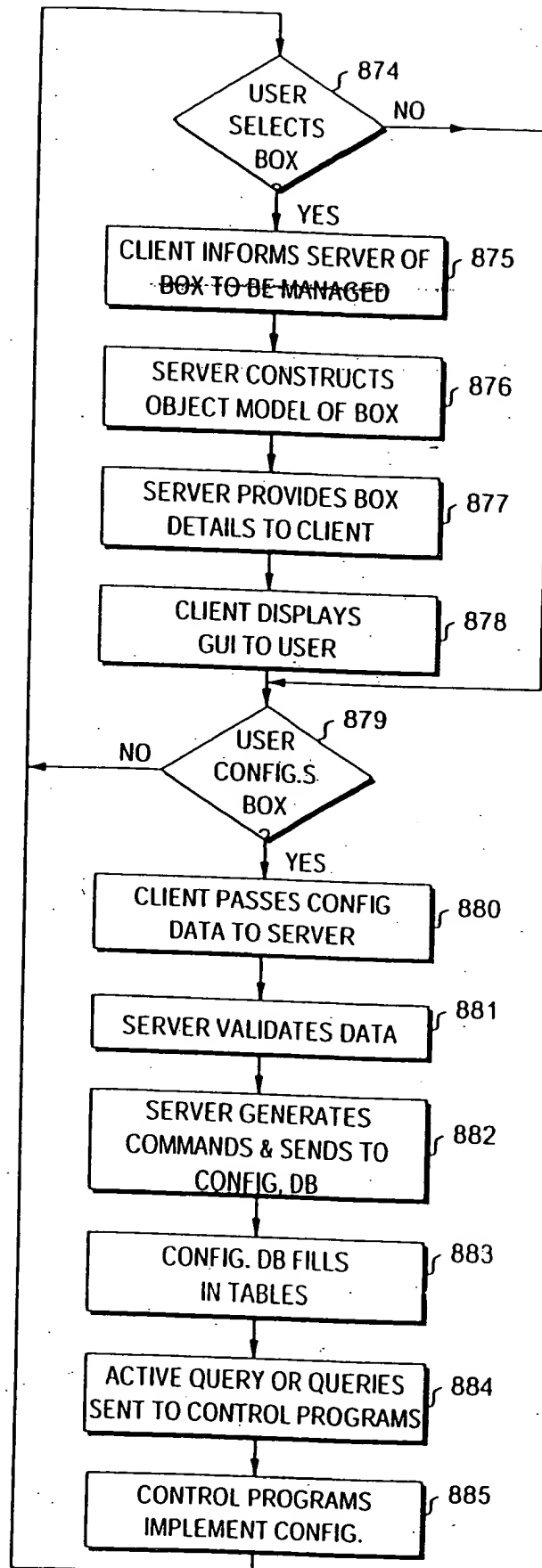


FIG. 3G

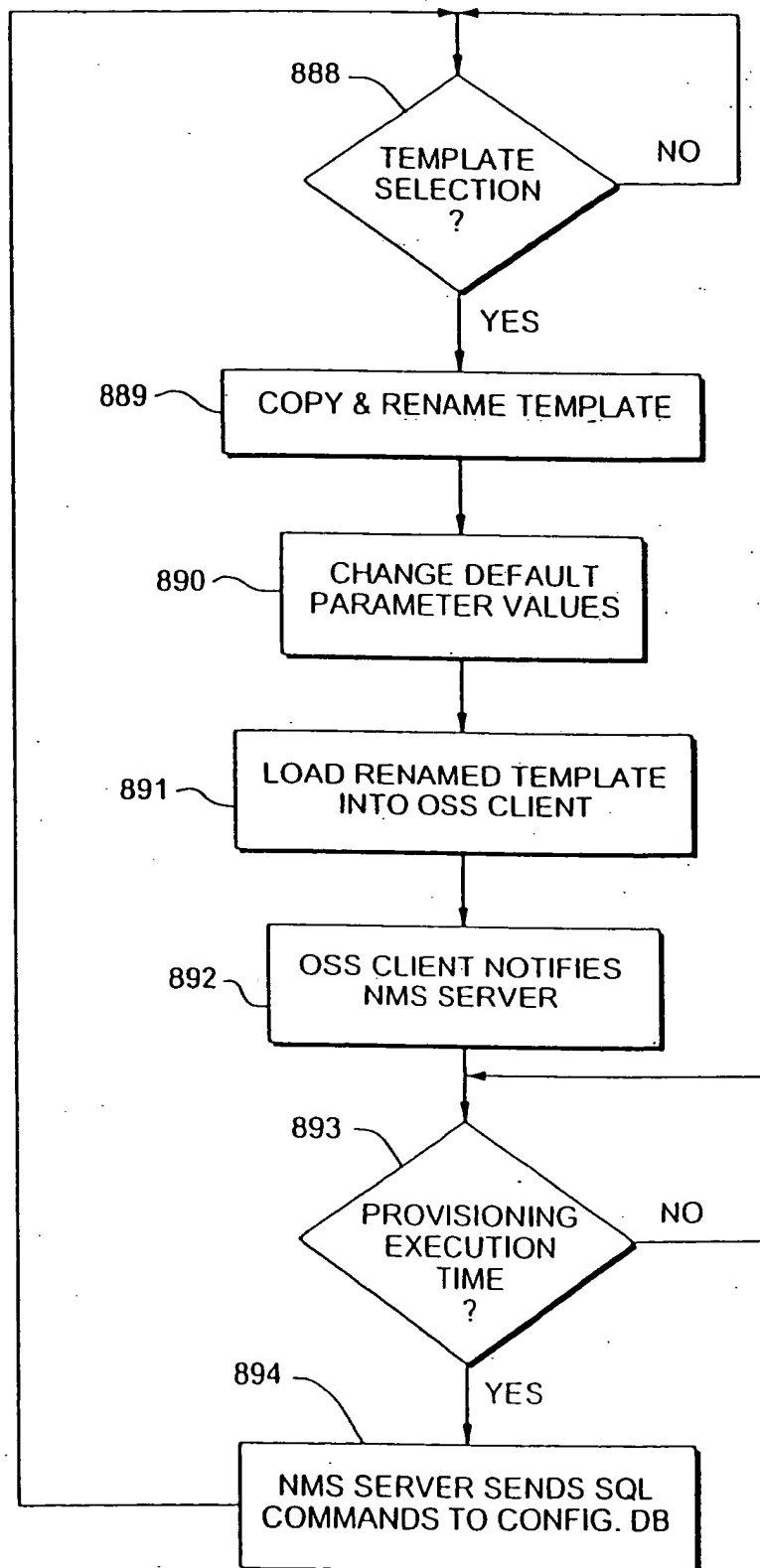


FIG. 3H

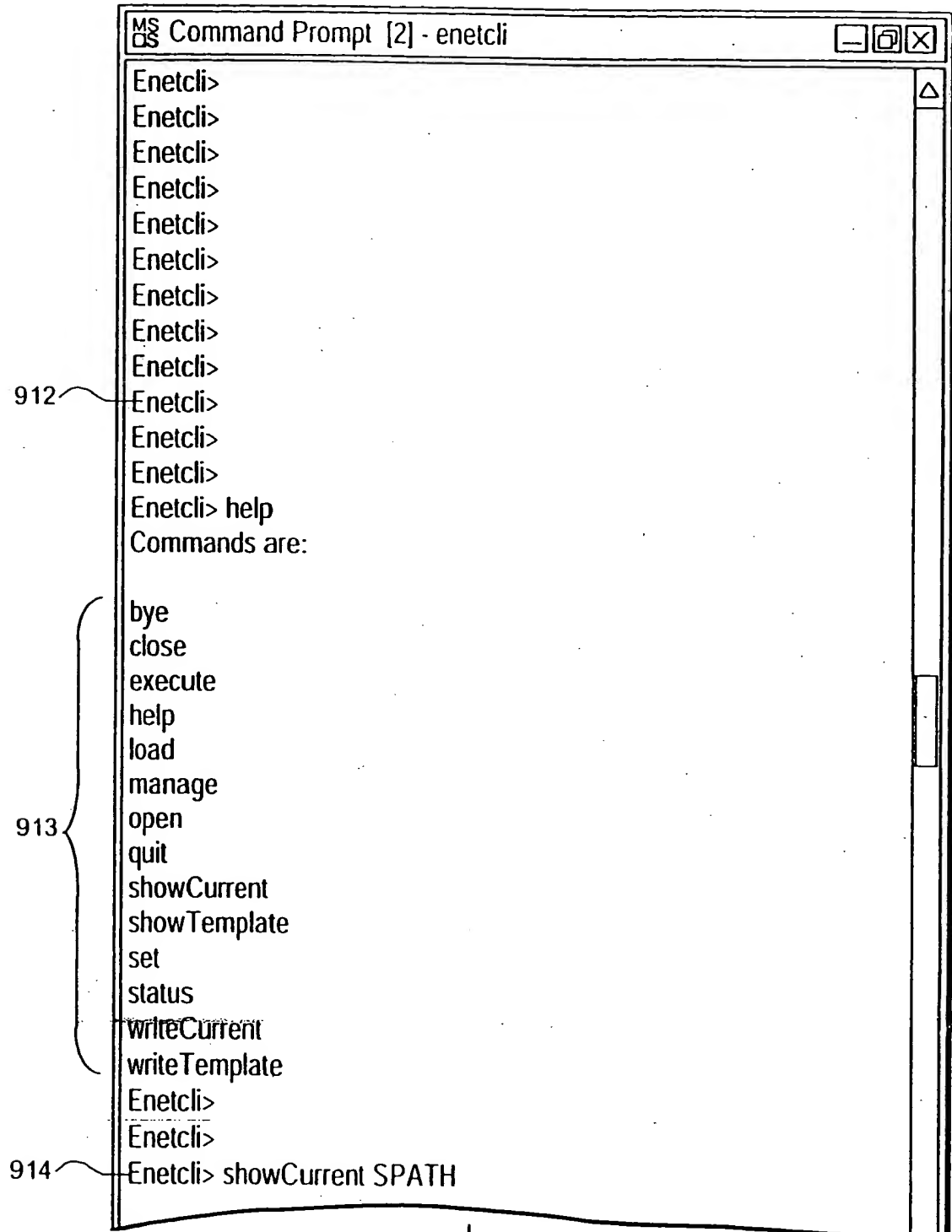


FIG. 3I CONTINUED

FIG. 3I

FROM FIG. 3I

```
915 { ATMIfName=ATMIf11/1/1
      Concatenated=false
      Name=Path11/1/1
      Operant=SPATH
      Operator=Create
      PortID=1
      Position=1
      Service=ATM
      ShelfID=11
      SlotID=1
      Type=Terminated
      Version=V1_1_0_0
      Width=STS3
      Enetcli>
      Enetcli>
      Enetcli>
916 { Enetcli> showTemplate SPATH
      ATMIfName=<String>[TerminatedOnly]
      Concatenated=<true:false>
      Name=<String>
      Operant=SPATH
      Operator=<Create:Replace:Update>Delete>
917 { PortID=<Integer><1-16>
      Position=<Integer>
      Service=<None :ATM>
      ShelfID=<11[top],13[bottom]>
      SlotID=<Integer><1-8>
      Type=<switched:Terminated>
      Version=V1_1_0_0
      Width=<STS1:STS3:STS12:STS48>
      Enetcli>
      Enetcli>
918 { Enetcli> status
919 { Not currently connected to server
920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
      Enetcli>
```

FIG. 3I CONTINUED

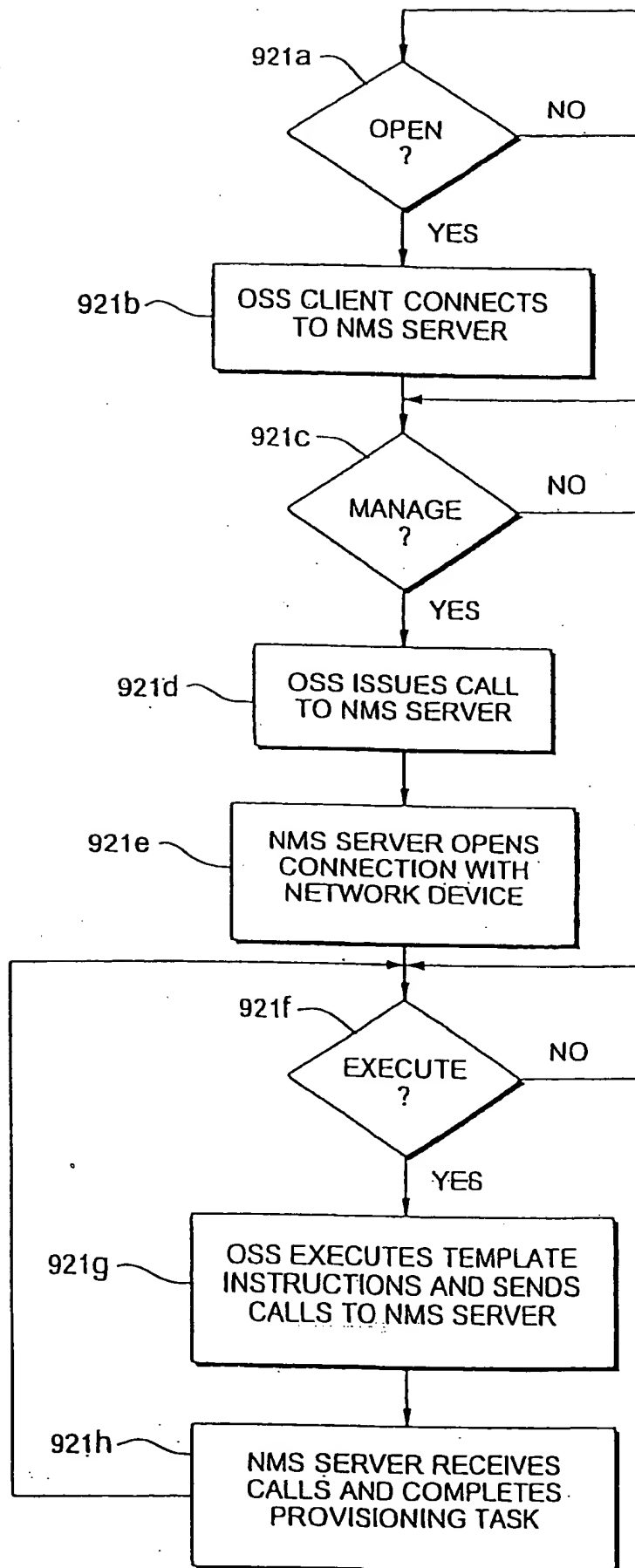


FIG. 3J

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3K

BATCH

924

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a ~ TASK1=execute-SPATH

924b ~ TASK2=execute-PVC

924c ~ TASK3=execute-SPVC

924d ~ TASK4=load-SPVC-spvc1

924e ~ TASK5=execute-SPVC

924f ~ TASK6=load-SPVC-spvc2

924e ~ TASK7=execute-SPVC

.

.

924g ~ TASK50=set-SPATH-PortID-3

924h ~ TASK51=execute-SPATH

924i ~ TASK52=set-SPATH-SlotID-2

924j ~ TASK53=execute-SPATH

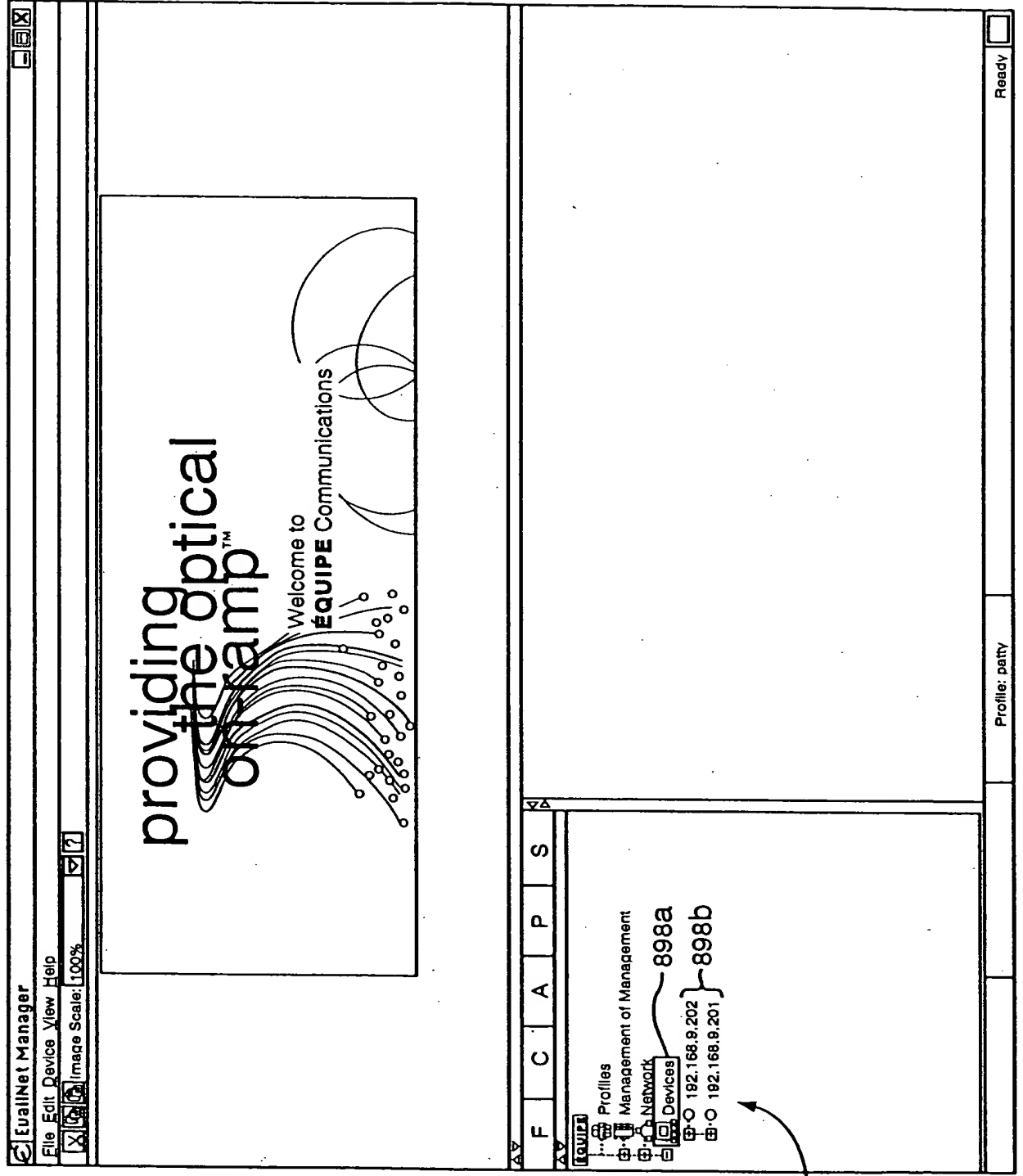
FIG. 3L

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.

FIG. 3M

895



898

FIG. 4A

895

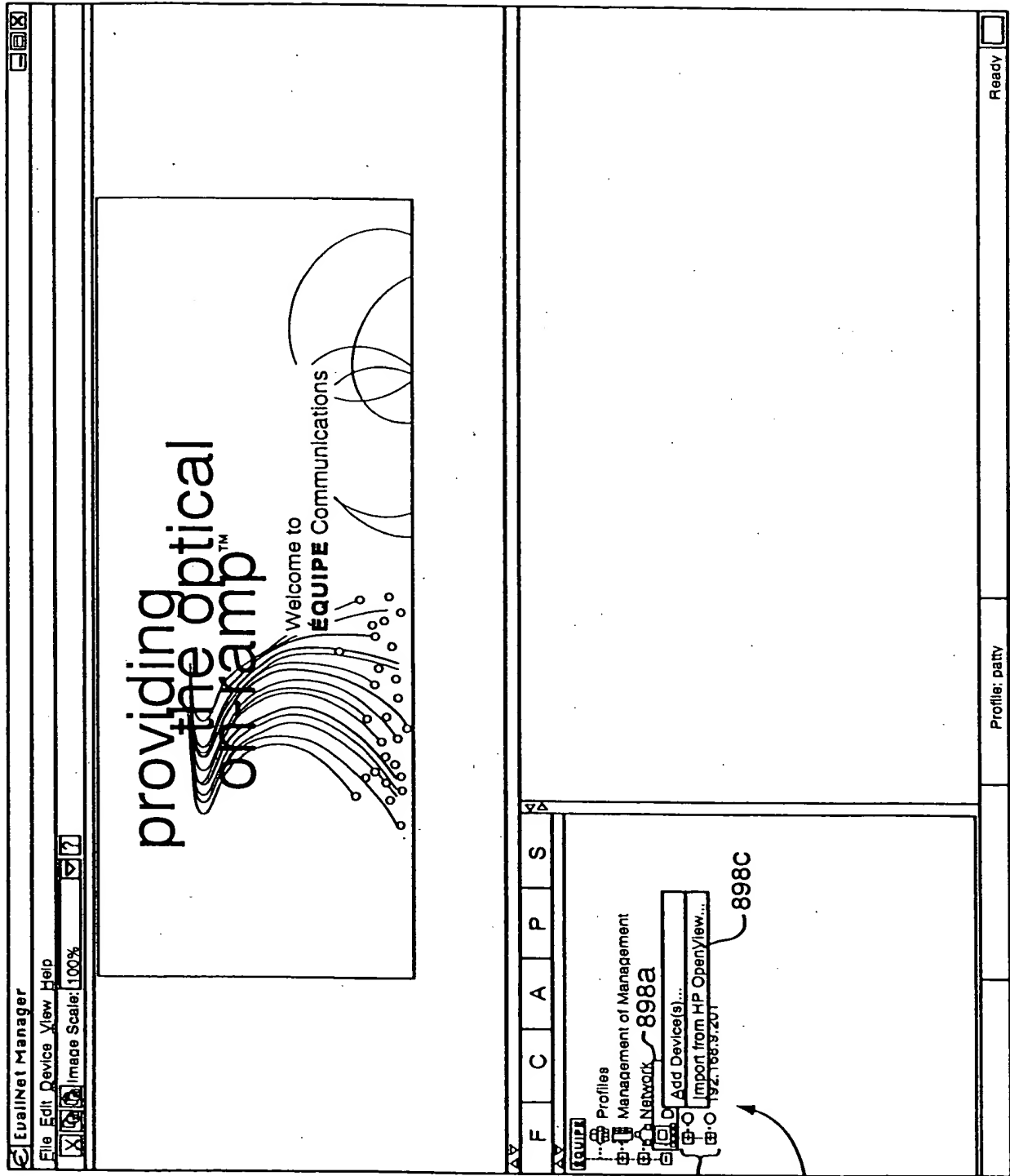


FIG. 4B

AddDeleteDeviceDlg

Enter device to add 898e

192.168.9.203

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

OK Cancel Delete

898d

FIG. 4C

AddDeleteDeviceDlg

Enter device to add 898e

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

☒ 192.168.9.203 898g

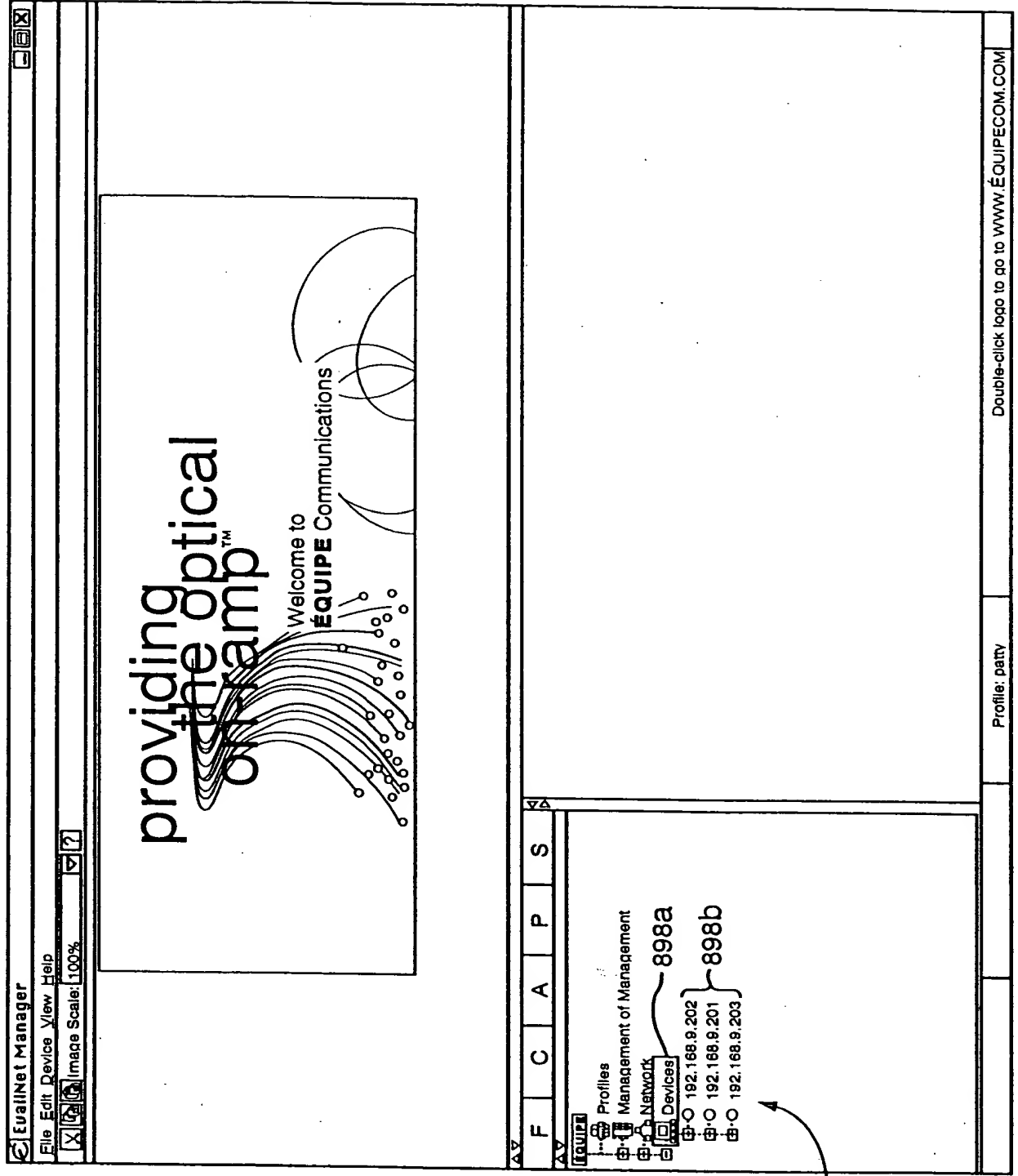
OK 898j Cancel Delete 898h

898i

898d

FIG. 4D

895



898

FIG. 4E

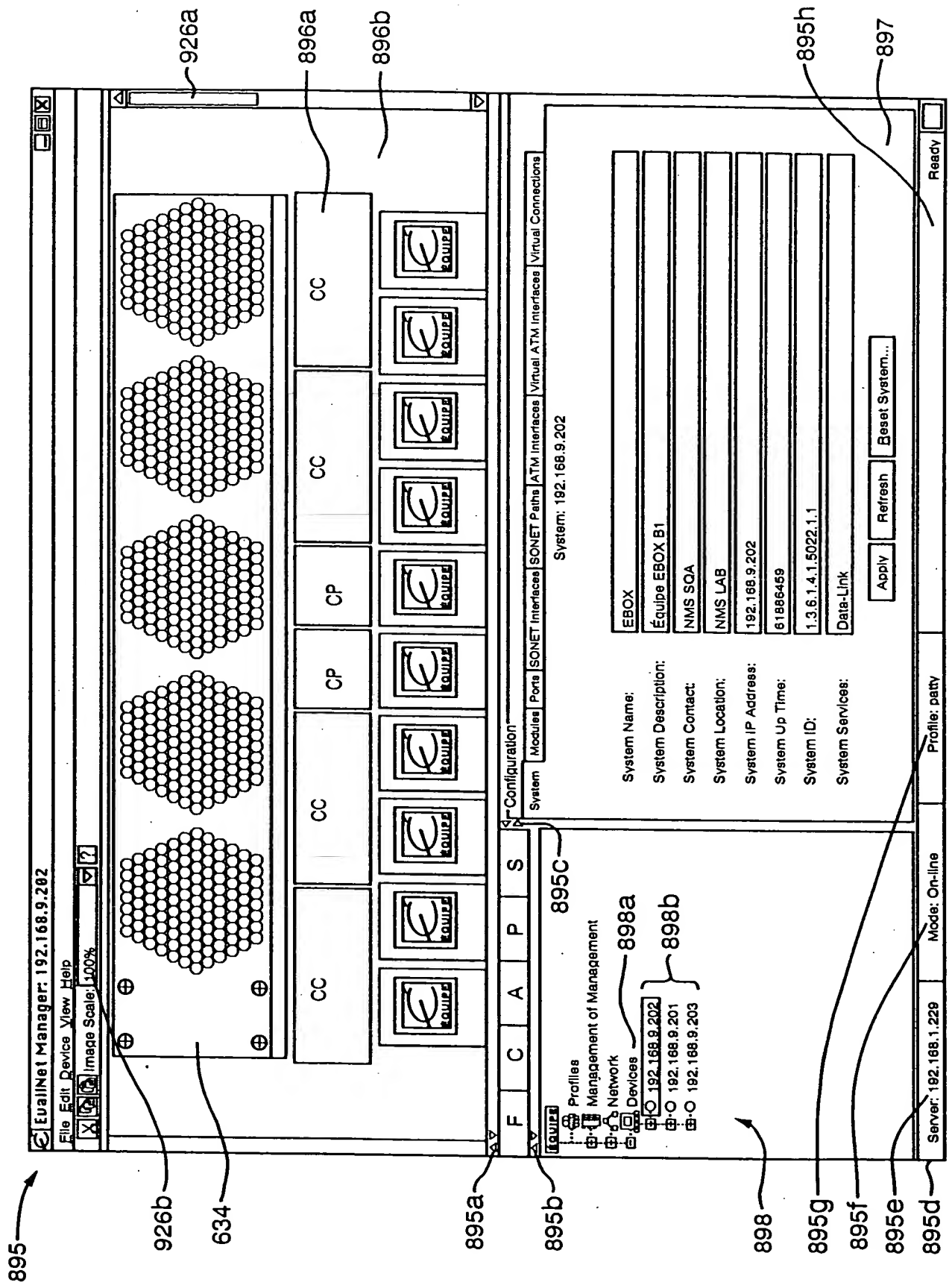


FIG. 4F

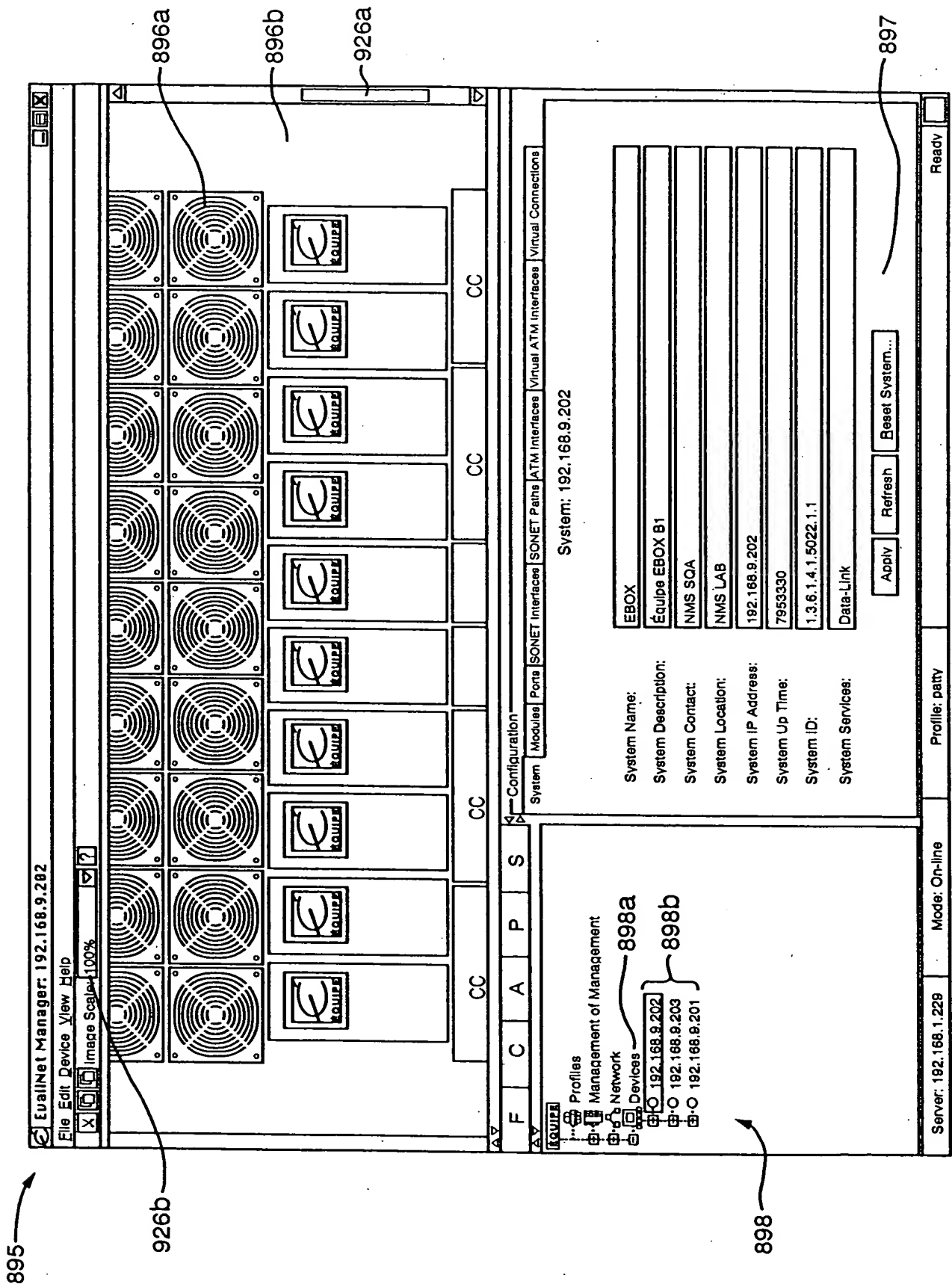


FIG. 4G

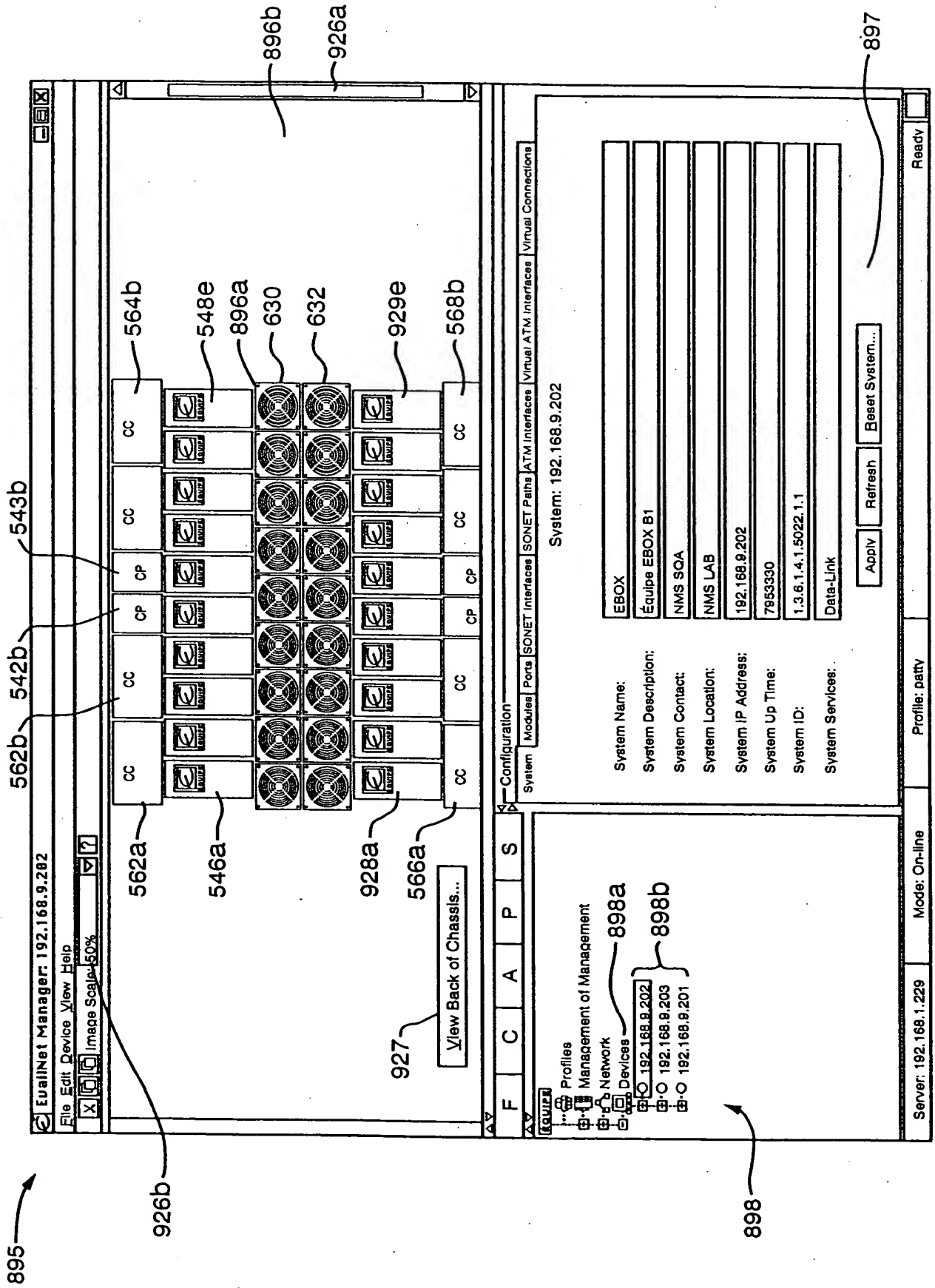


FIG. 4H

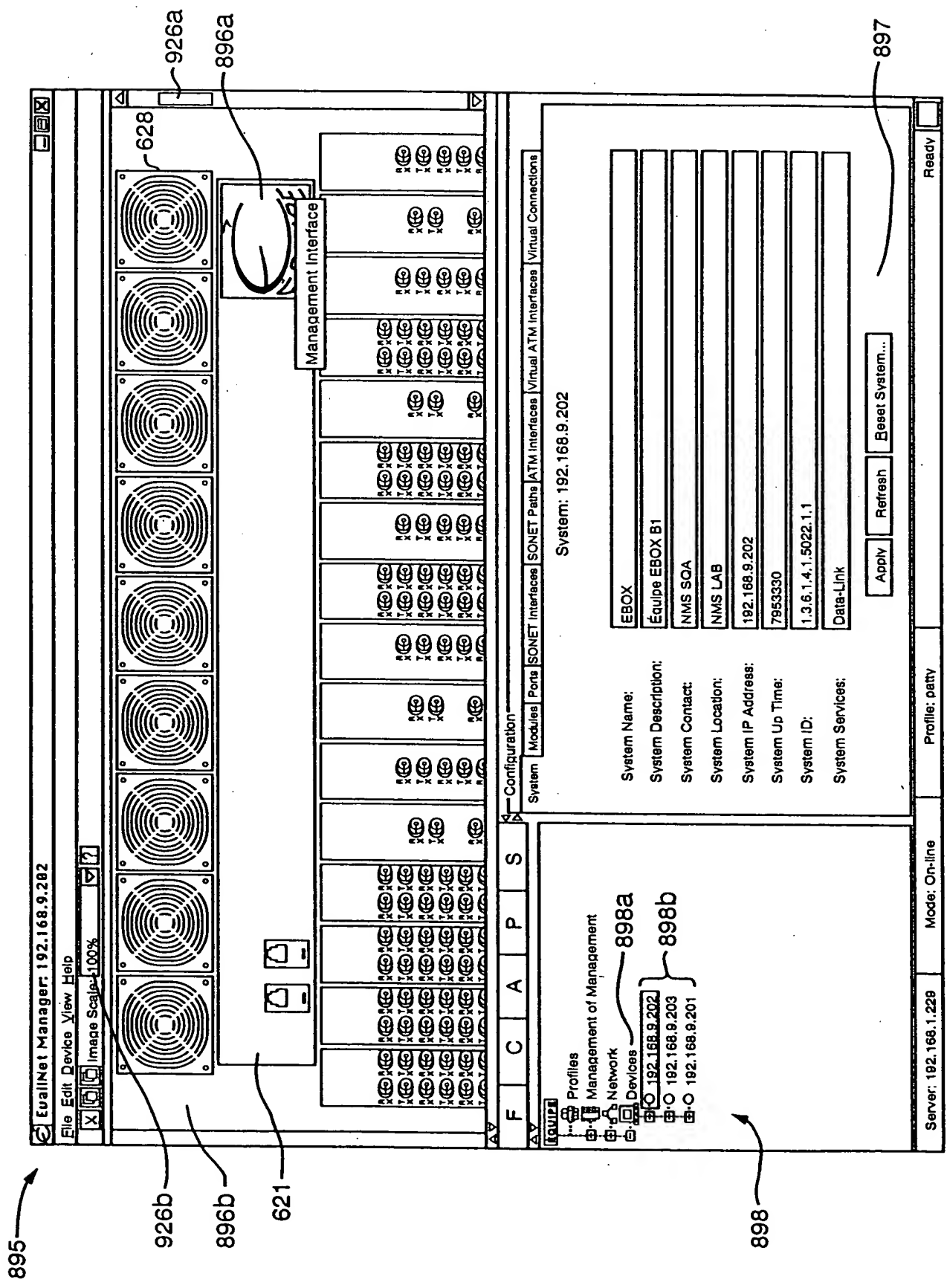


FIG. 4I

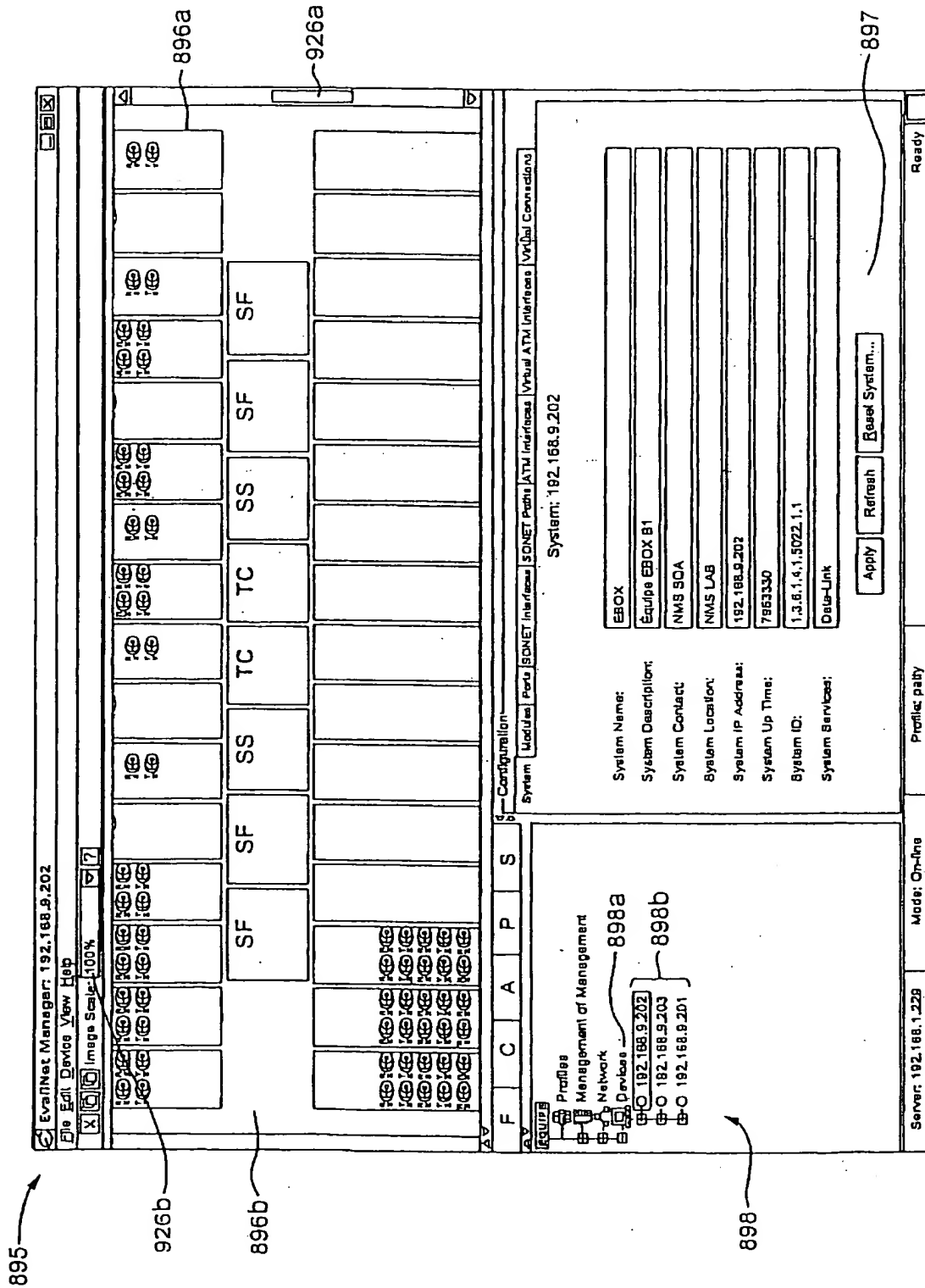


FIG. 4J

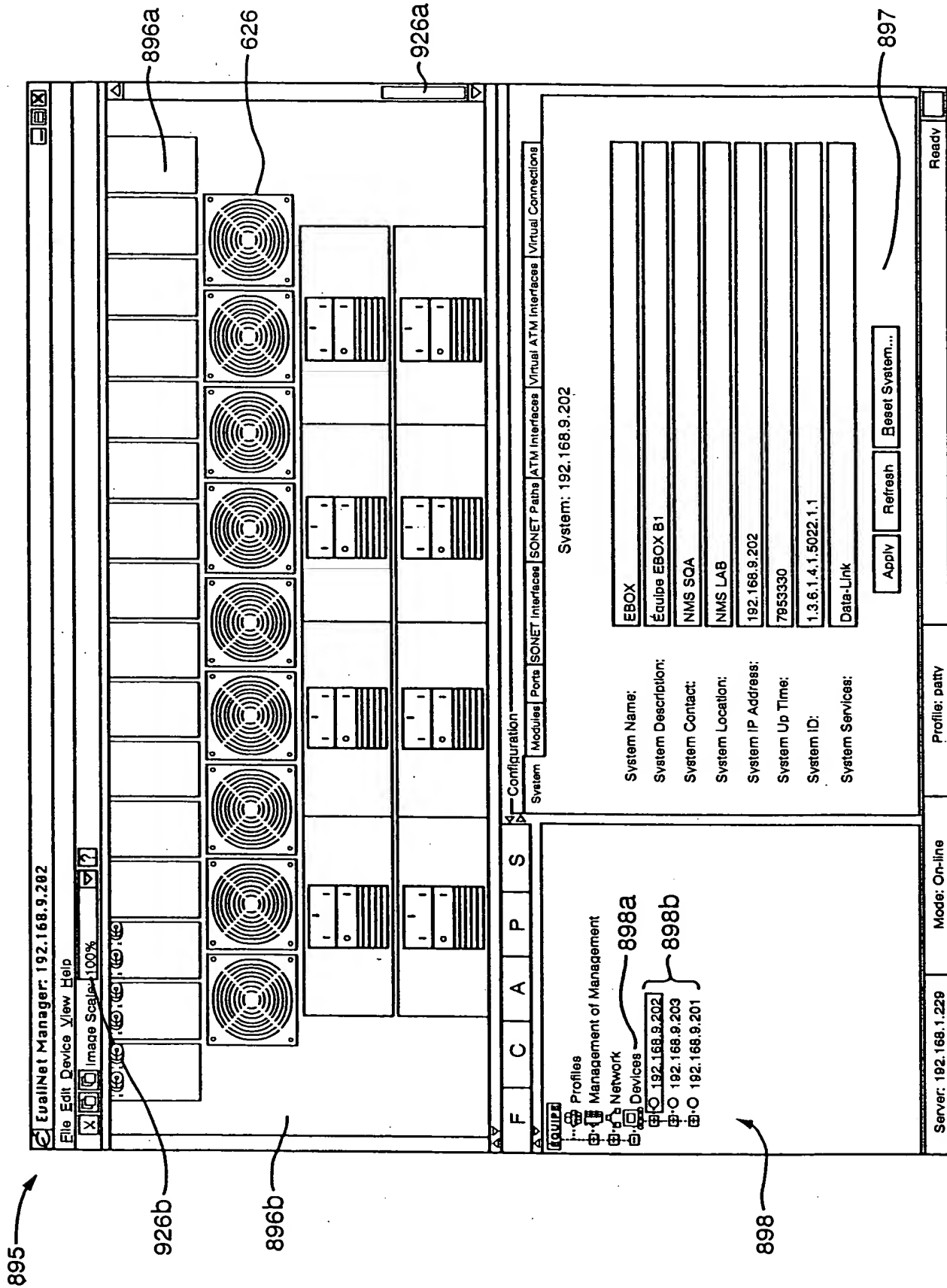


FIG. 4K

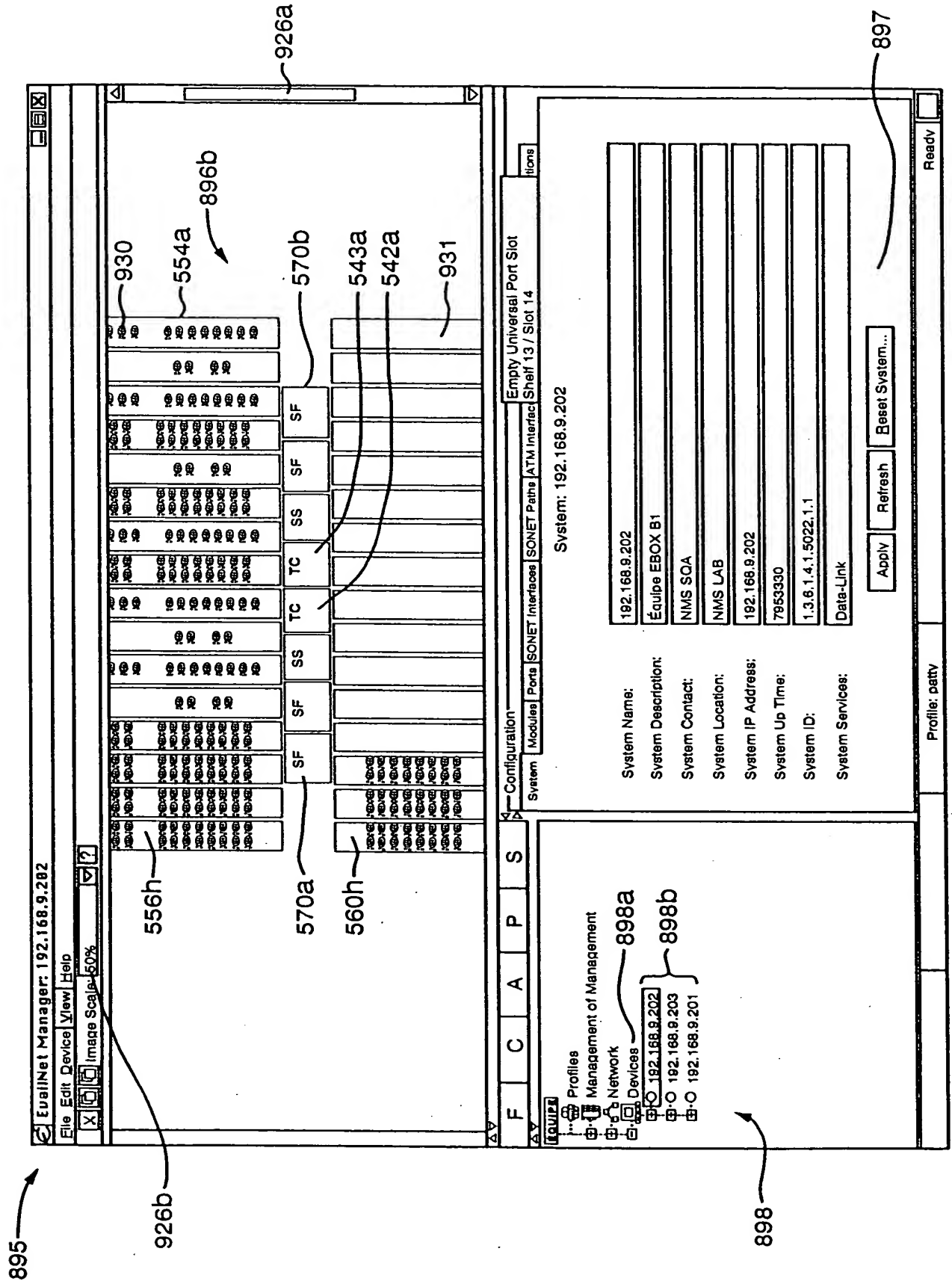


FIG. 4L

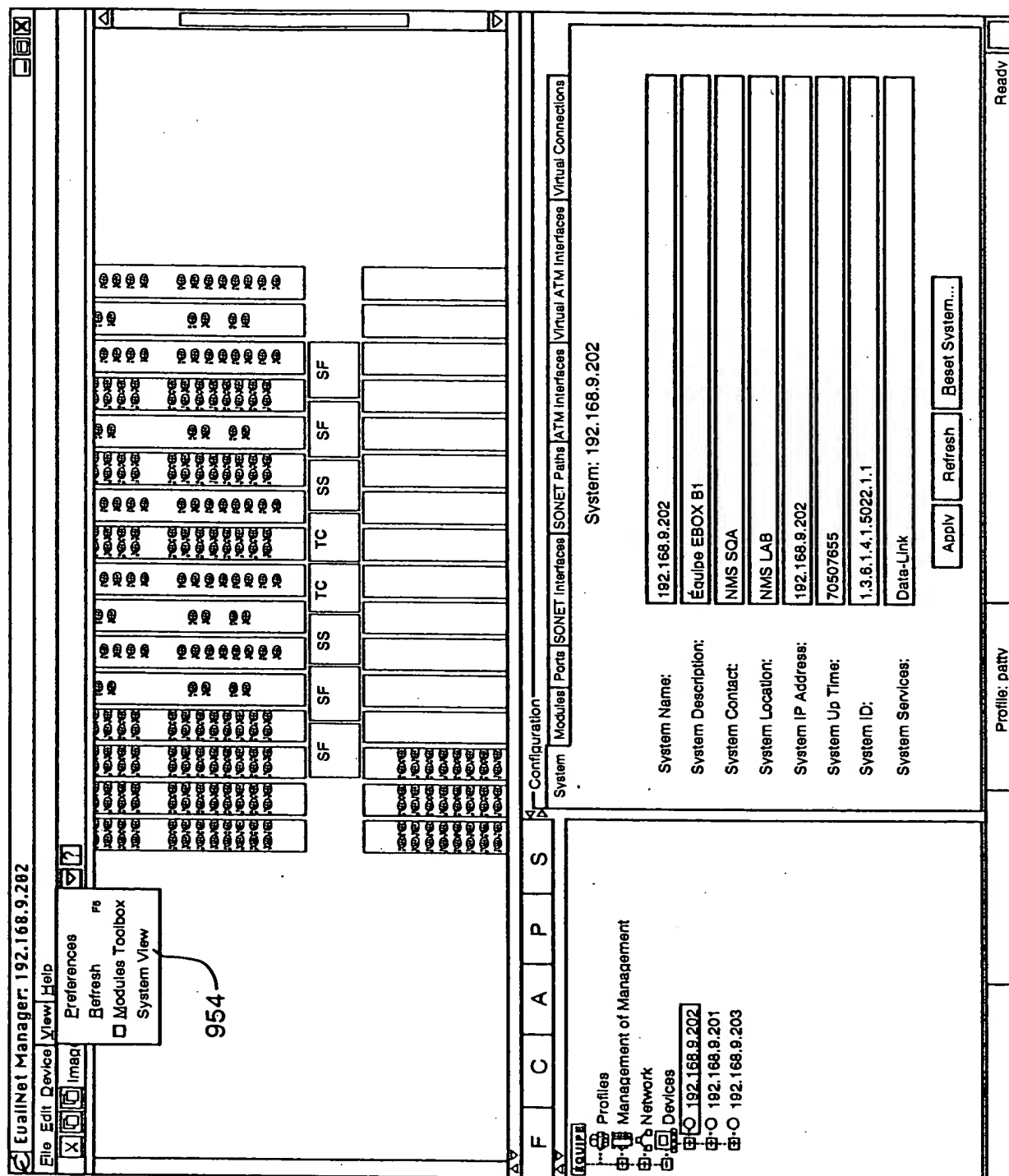


FIG. 4M

955

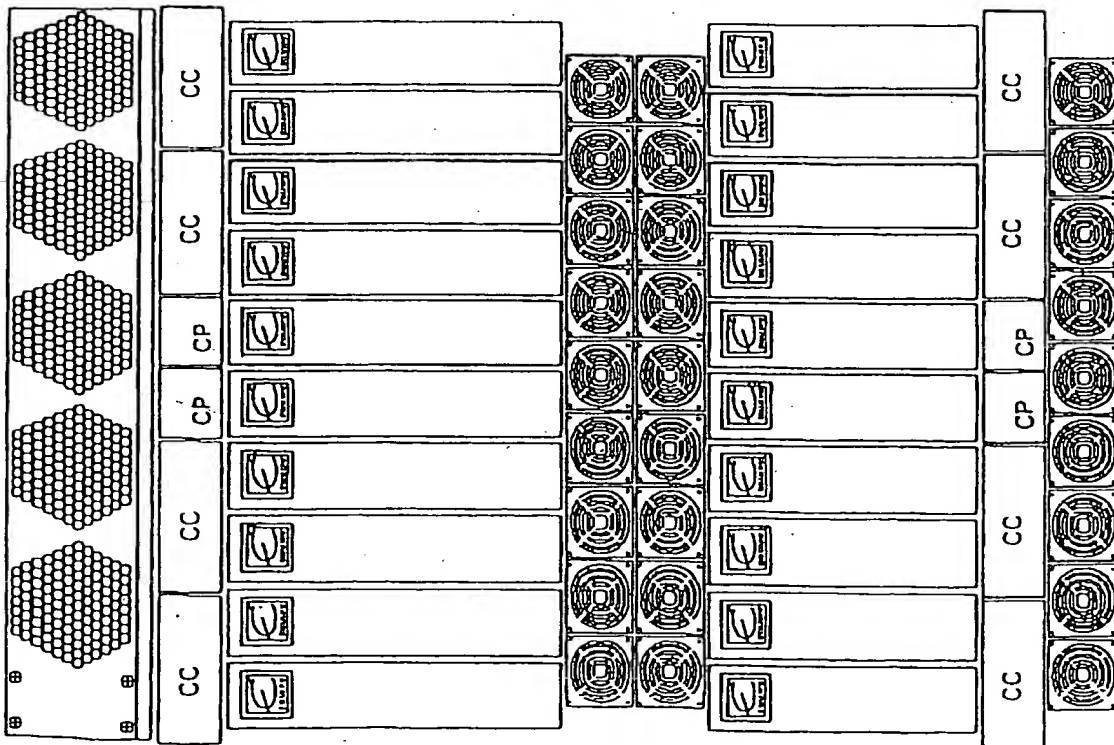
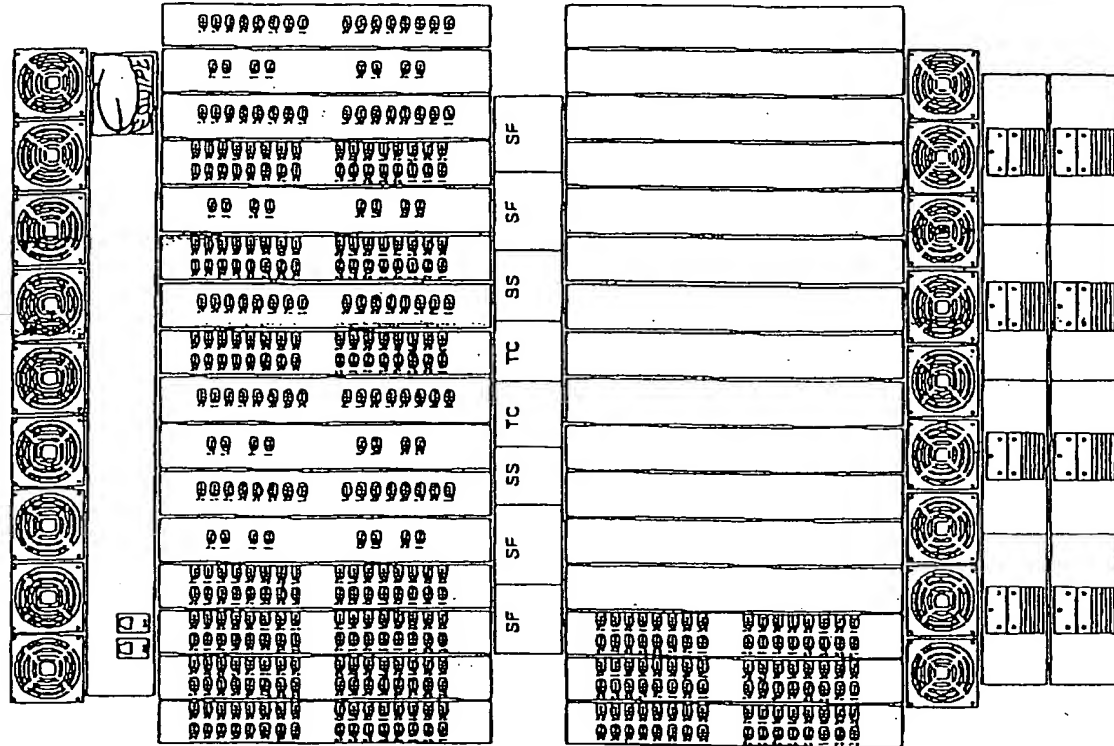
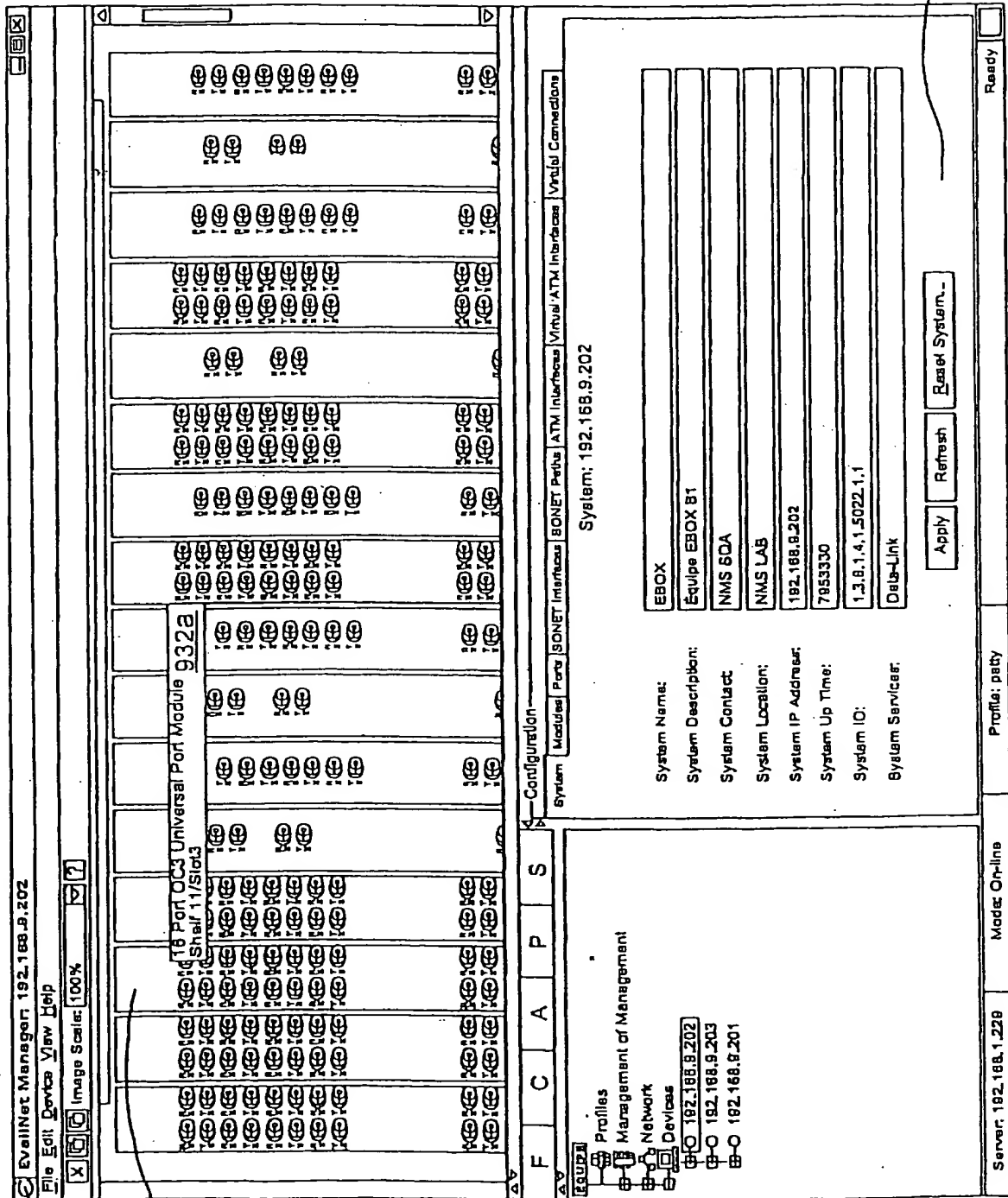


FIG. 4N

955a



955b



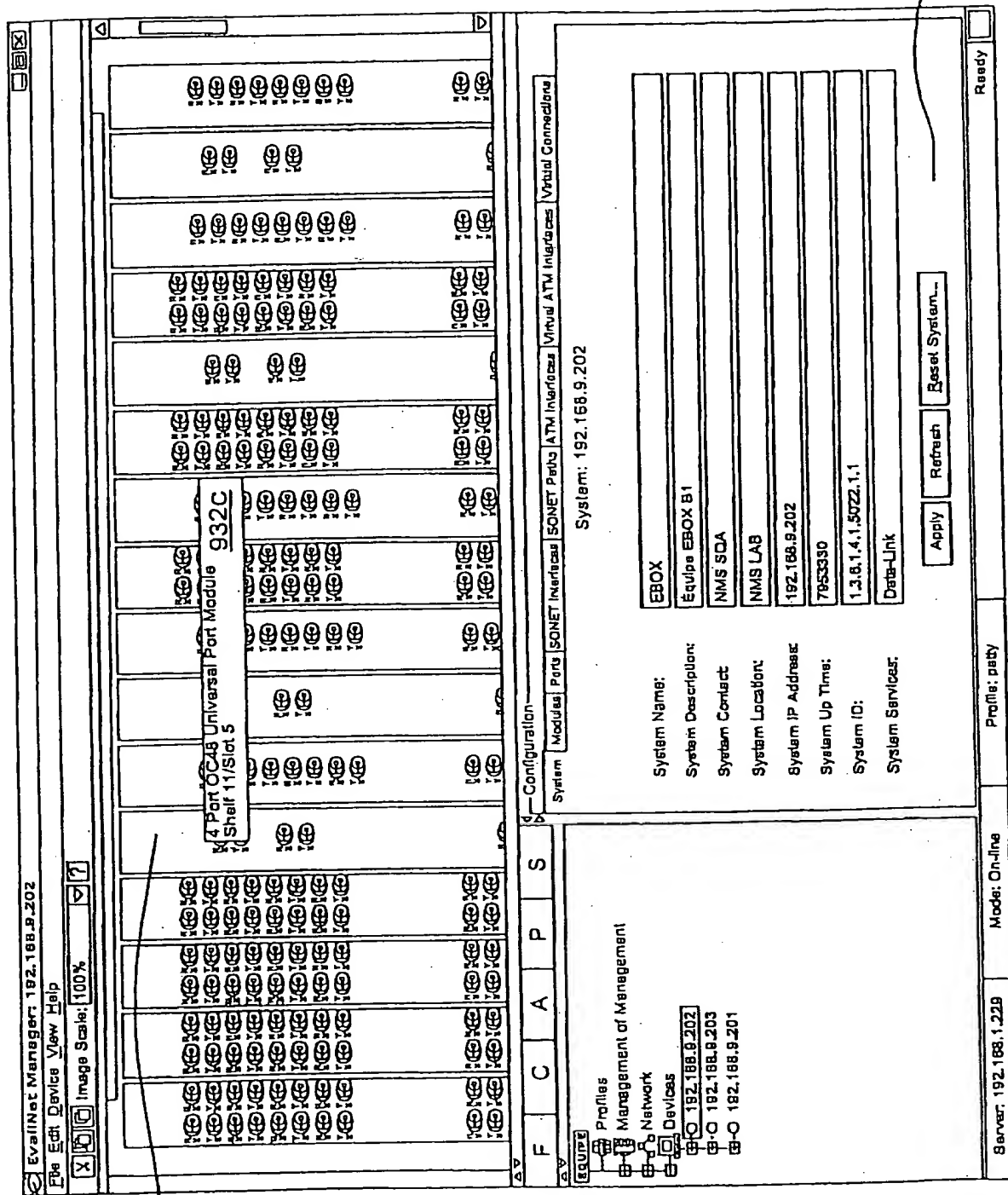


FIG. 4Q

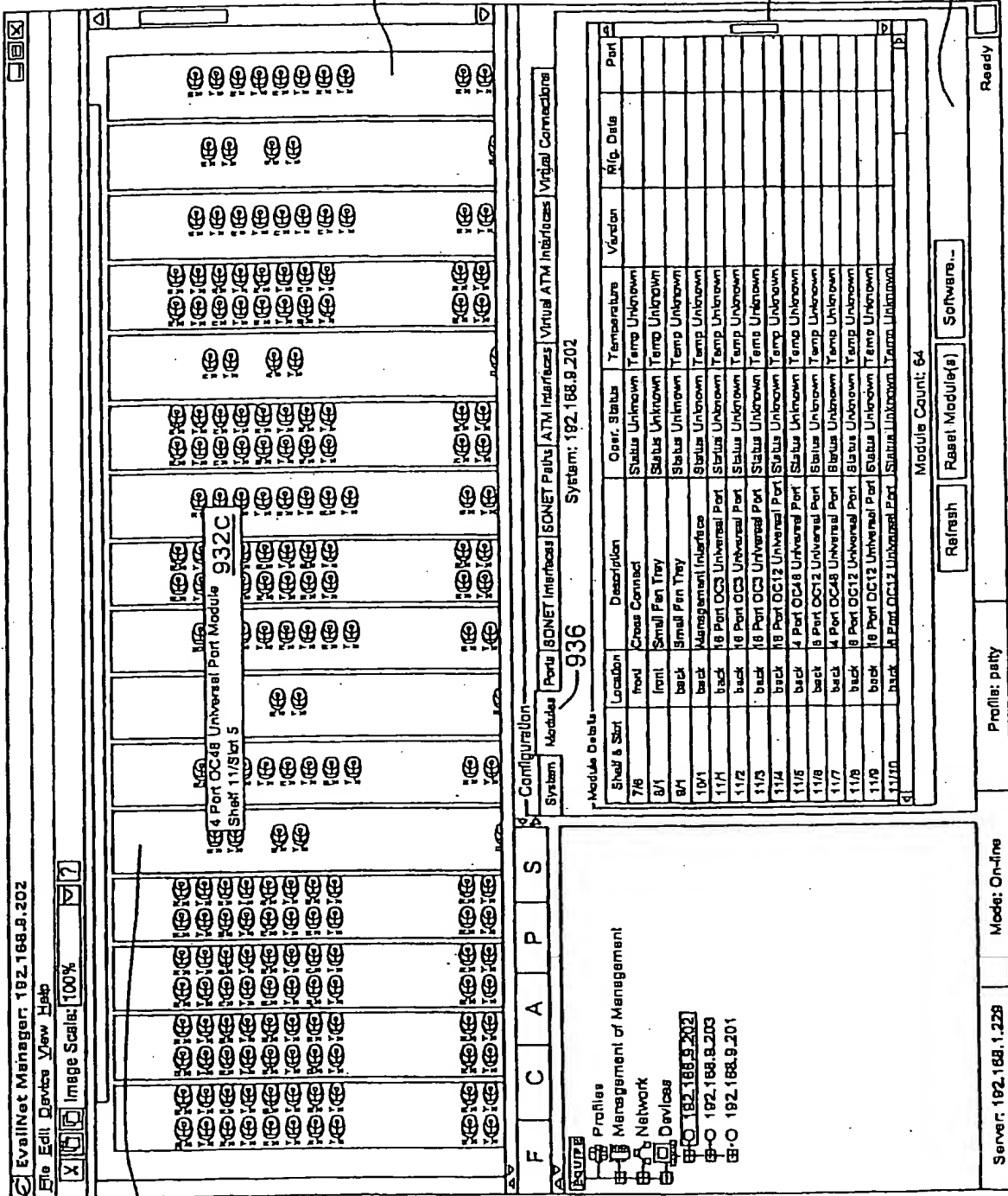


FIG. 4T

[illegible]

FIG. 4U



FIG. 4W

895

958 958a

958b

958c

958d

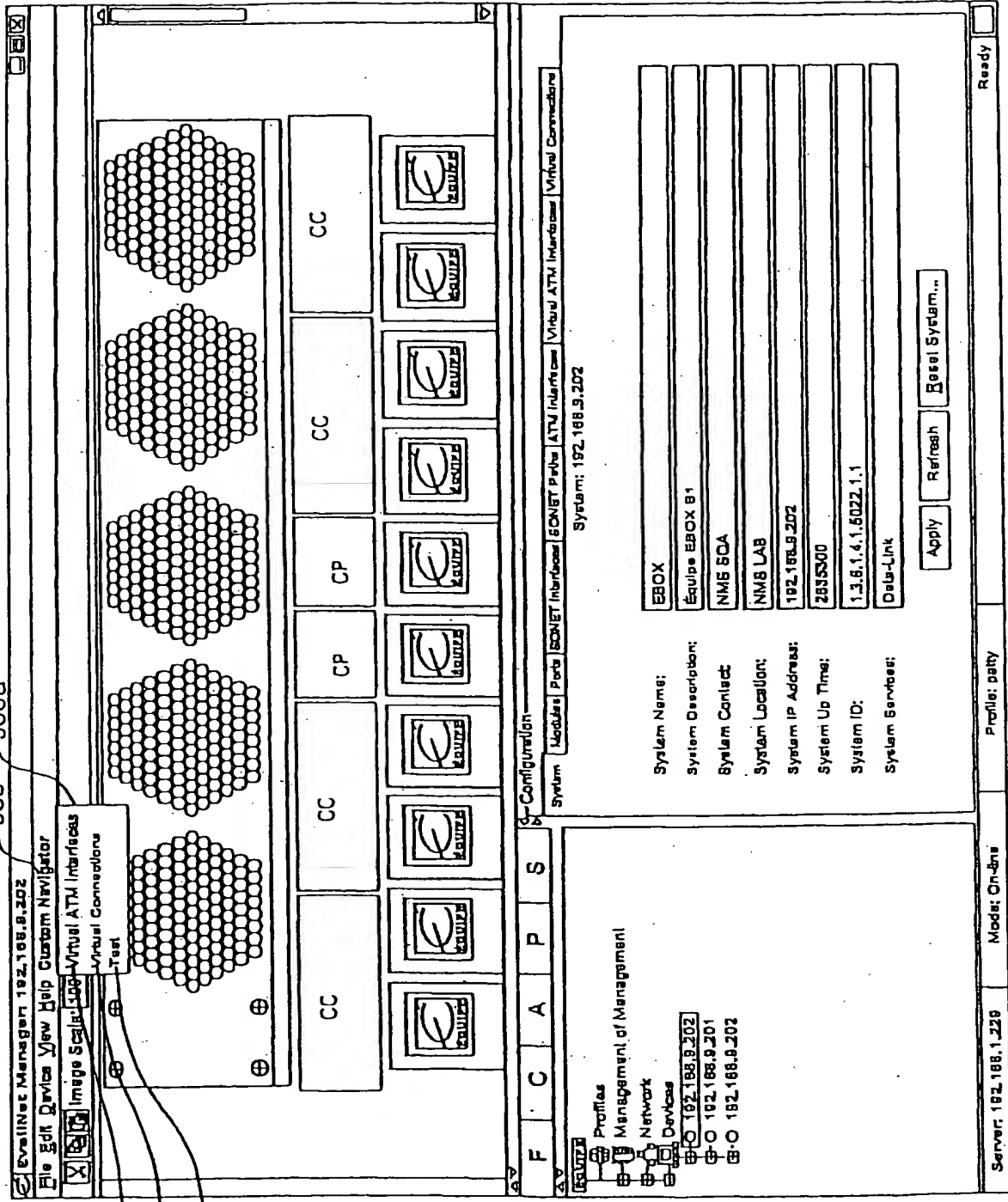


FIG. 4X

961

EvailNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

961a

Slot

Port

Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

STS-12c

paths

Next

Cancel

961b

FIG. 4Z

895

943

556e

939a

896a

939b

897

EvalNet Manager: 192.168.9.282

File Edit Device View Help

Image Scale: 100%

Port Properties

Port Reset

Configure SONET Paths...

Show ATM Interfaces

Show Virtual Connections...

Show Virtual Connections

Show ATM Statistics

Show SONET Statistics

895

896a

897

556e

939a

939b

System

Modules

Ports

SONET Interfaces

SONET Paths

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

System: 192.168.9.202

Port Count: 216

Port Details

Shelf / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/4/1	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up
11/4/8	back	Sonet Port 8	SONET	0 Mbps	Down	Unknown	Up
11/4/9	back	Sonet Port 8	SONET	0 Mbps	Down	Unknown	Up
11/4/10	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
11/4/11	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
11/4/12	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
11/4/13	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
11/4/14	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up

Disable...

Refresh

Reset...

Server: 192.168.1.229

Mode: On-line

Profile: patty

Ready

FIG. 5A

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

paths

▽

STS-3C

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

1

Width

STS-12c

944b

944g

944p

944r

944q

944e

944f

944

FIG. 5C

EvallNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☒ **Configure**
☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

Modify

OK Cancel

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c

FIG. 5D

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☒ Custom Configuration

1

paths

STS-12c

Functions

Available SONET Paths

STS-3C

944i

Add>

<Remove

<<Clear

944k

944n

944o

Allocated SONET Paths

STS-3C~944l

STS-3C~944m

STS-3C

STS-3C

944j

944u

944v

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/4/1	Path1_11/...	1	STS-3c	Terminated	ATM		Δ
11/4/1	Path2_11/...	4	STS-3c	Terminated	ATM		
11/4/1	Path3_11/...	7		Terminated	ATM		▽

944p

Modify

Graphical Representation

Position

Width

1

4

STS-3c

STS-3c

944e

944f

944r

OK

Cancel

944q

FIG. 5F

EvallNet Manager: SONET Path Configuration - 11/4/1

SONET Line

Slot

4

Port

1

Type

OC12

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
Shelf11/Sl...	Path1_11/...	1	3	2	1		
Shelf11/Sl...	Path2_11/...	4	3	2	1		

944p

Modify

Add

Delete

Graphical Representation

Position

1

4

Width

STS-3C

STS-3C

945e

945f

945a

945g

945k

945r

945m

945n

945

FIG. 5G



Made: On-line



FIG. 51

FIG. 5J

SONET Line

Slot

5

Port

2

Type

OC48

System: 192.168.9.202

SONET Path Wizard

☐
Configure a single concatenated path (STS-48c)

☐
Configure

4

paths

☐
Custom Configuration

Ok

Cancel

FIG. 5K

EvaiiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

Custom Configuration

1

1

4

16

paths

STS-48c

Path Table

SONET Line	Path Name	Path Post.	Path Wl..	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-48c

944r

OK

Cancel

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☒

Configure

16

STS-3c

paths

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		Δ
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		▽

Modify

OK

Cancel

Graphical Representation

Position	Width
1	STS-3C
4	STS-3C
7	STS-3C
10	STS-3C
13	STS-3C
16	STS-3C
19	STS-3C
22	STS-3C
25	STS-3C
28	STS-3C
31	STS-3C
34	STS-3C
37	STS-3C
40	STS-3C
43	STS-3C
45	STS-3C

FIG. 50

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

Configure a single concatenated path (STS-12c)

Configure

Custom Configuration

16

paths

STS-3C

Functions

Available SONET Paths

STS-3C

STS-12C

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3C

STS-3C

STS-3C

STS-3C

STS-12C

944j

944n

944o

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		

944p

Modify

944r

OK

944s

Cancel

Graphical Representation

Position

1

4

7

10

22

34

Width

STS-3C

STS-3C

STS-3

STS-3

STS-12C

STS-12C

944e

944f

FIG. 5P



FIG. 5Q

Fig. 5R

895

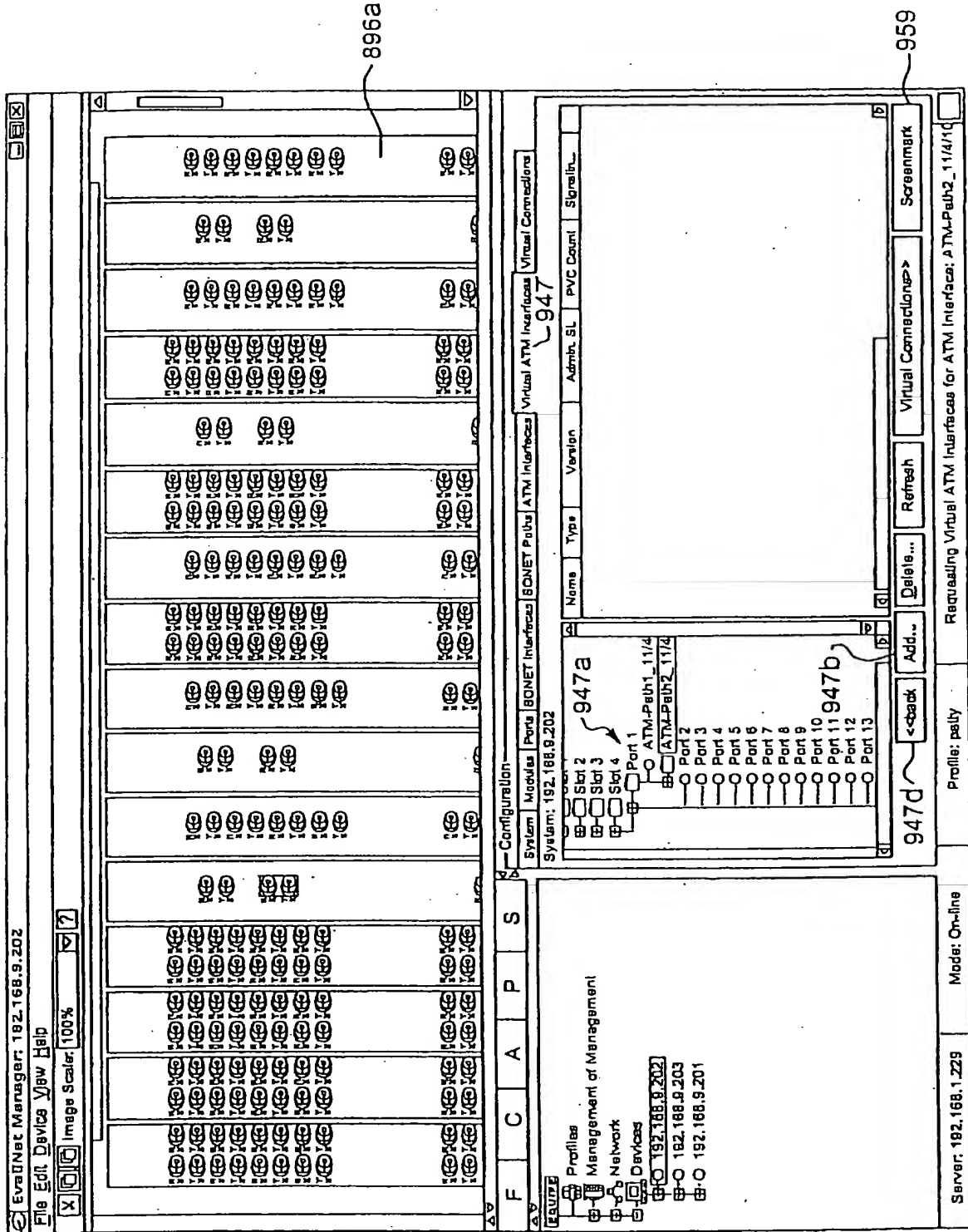


FIG. 5S

950

Add V-ATM Interface - 192.168.9.202 [X]

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

Virtual ATM Interface Parameters

950d Name	test1
950a Connection Type	Direct Link
950b Version	UNI Network 3.1
950c Admin Status	Up

950e

OK Cancel

FIG. 5T

FIG. 5U

FIG. 5V

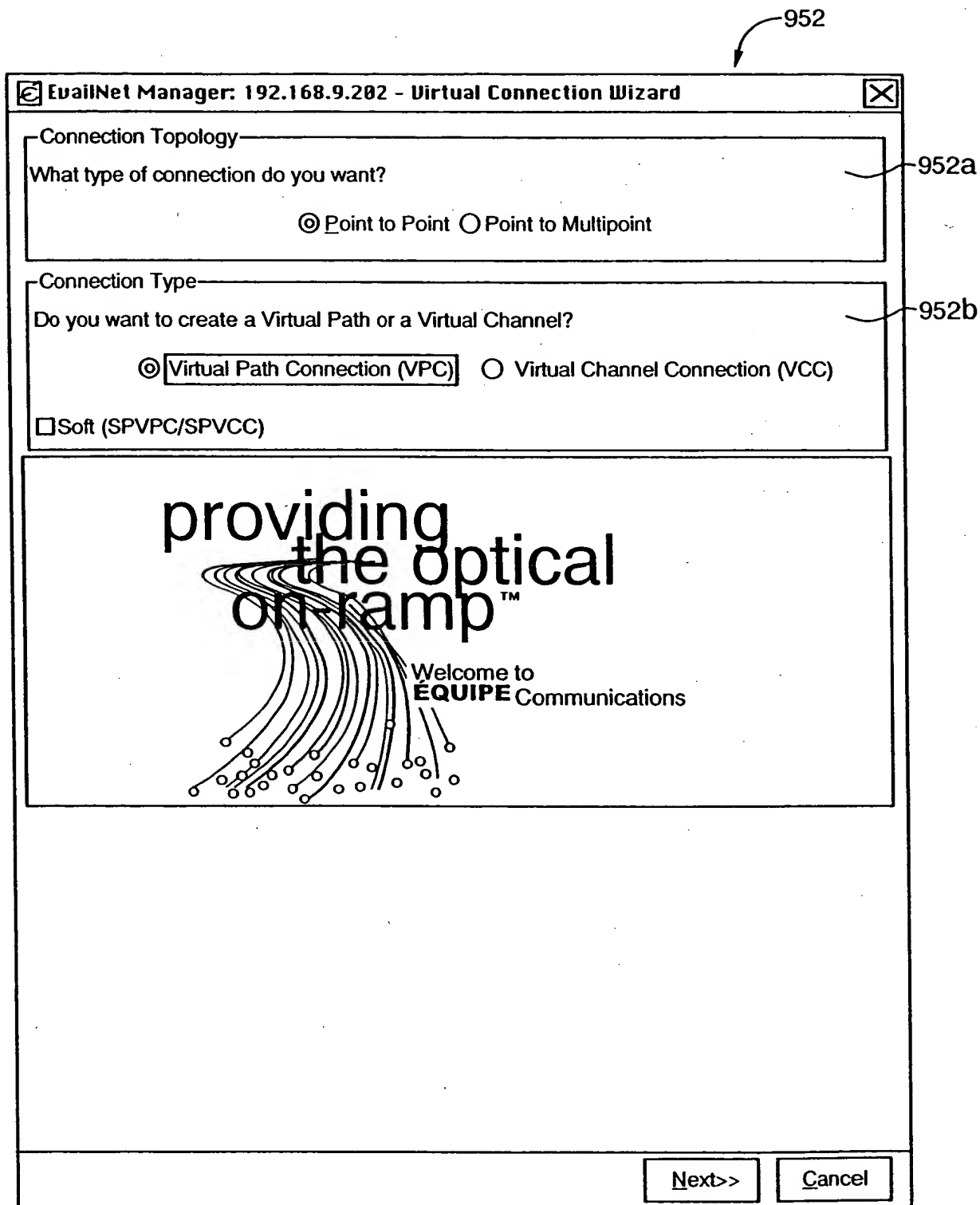


FIG. 5W

953

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202

Destination: 192.168.9.202

953a

End Point 1

Slot 4

Port 1

ATM-Path1_11/4/1

ATM-Path2_11/4/1

test1

test2

Port 2

Port 3

Port 4

953b

953c

End Point 1

Slot 3

Slot 4

Slot 5

Port 1

Port 2

ATM-Path1_11/5/2

test3

ATM-Path2_11/5/2

ATM-Path5_11/5/2

953d

953e

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name: Walmart

Customer List

953h

953f

End Point 1 Parameters:

VPI: 953i

VCI: 953m

Transmit Traffic Descriptor: VBR-high

Receive Traffic Descriptor: VBR-high

Use the same Traffic Descriptor for both Transmit and Receive

Use Any VPI Value

Use Any VCI Value

Add Traffic Descriptor...

953k

953o

953q

953g

End Point 2 Parameters:

VPI: 953j

VCI: 953n

Transmit Traffic Descriptor: VBR-high

Receive Traffic Descriptor: VBR-high

Use the same Traffic Descriptor for both Transmit and Receive

Use Any VPI Value

Use Any VCI Value

Add Traffic Descriptors...

953l

953p

953r

953u

953w

953v

<<Back

Finish

Cancel

FIG. 5X

956

NEW TRAFFIC
DESCRIPTOR

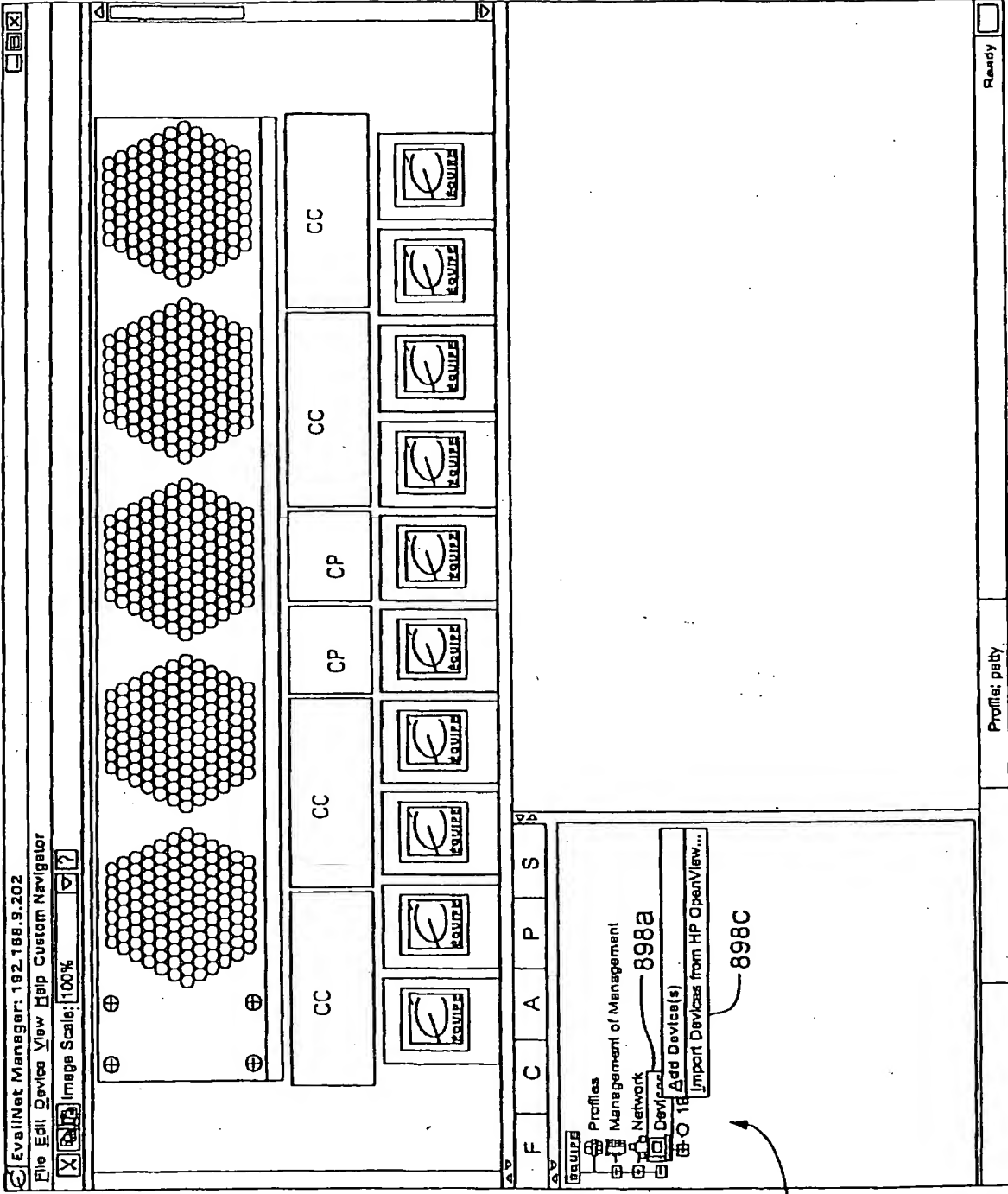
NAME:

QoS CLASS: ▼

TYPE: ▼

FIG. 5Y

895



898

FIG. 6A

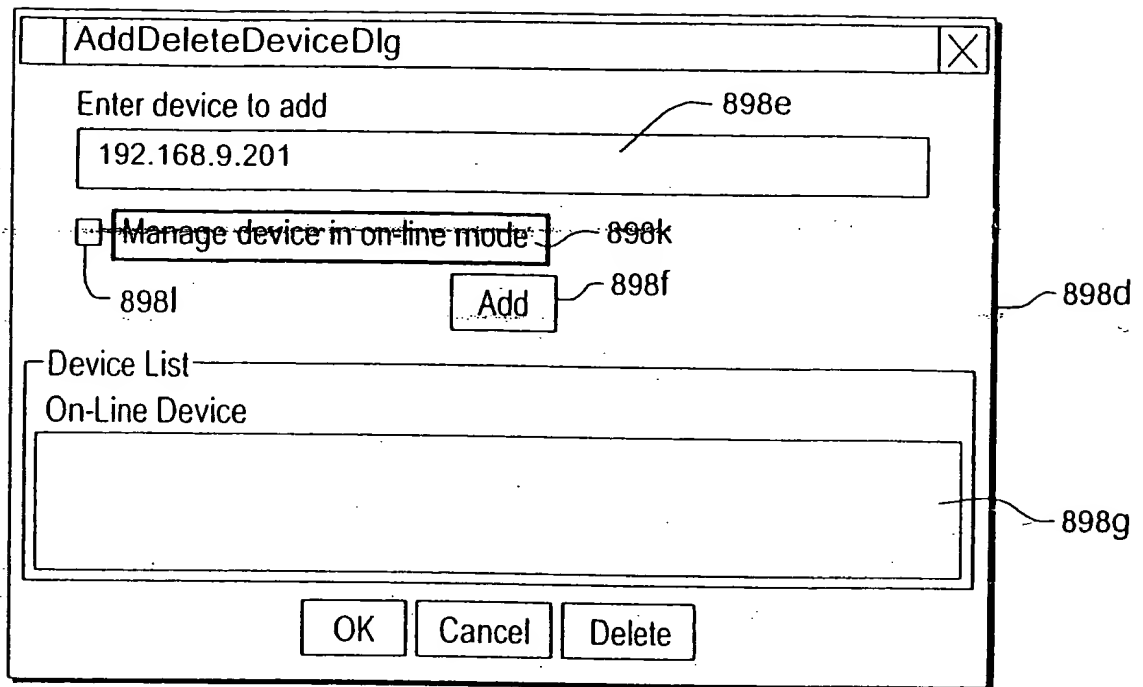


FIG. 6B

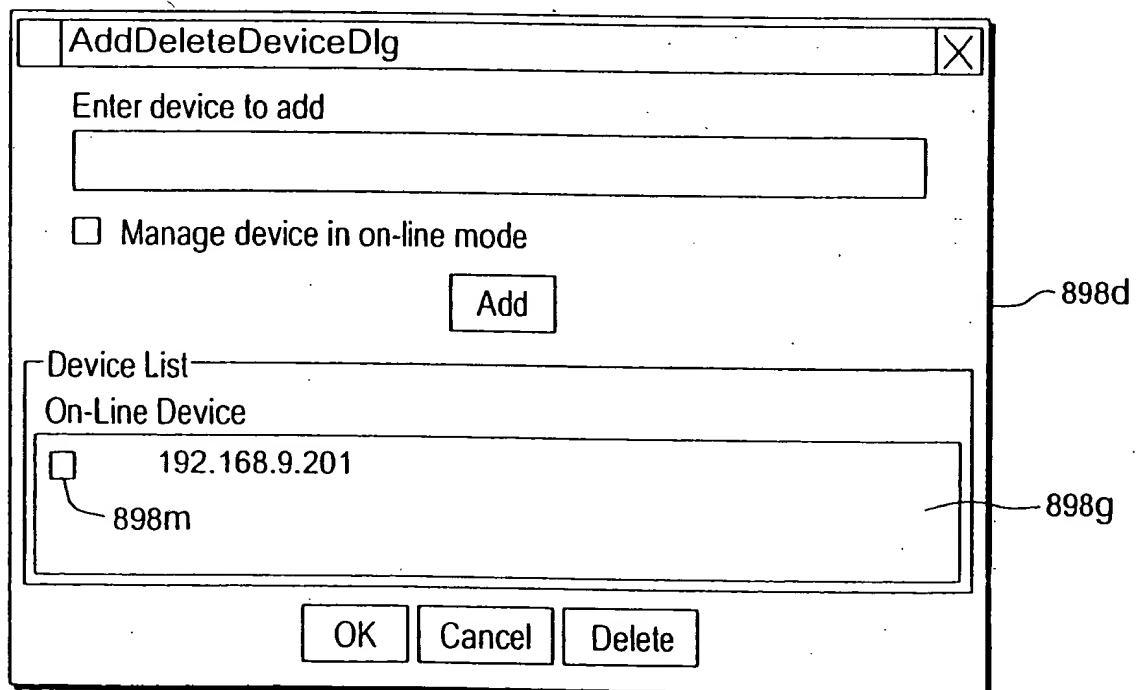


FIG. 6C

895

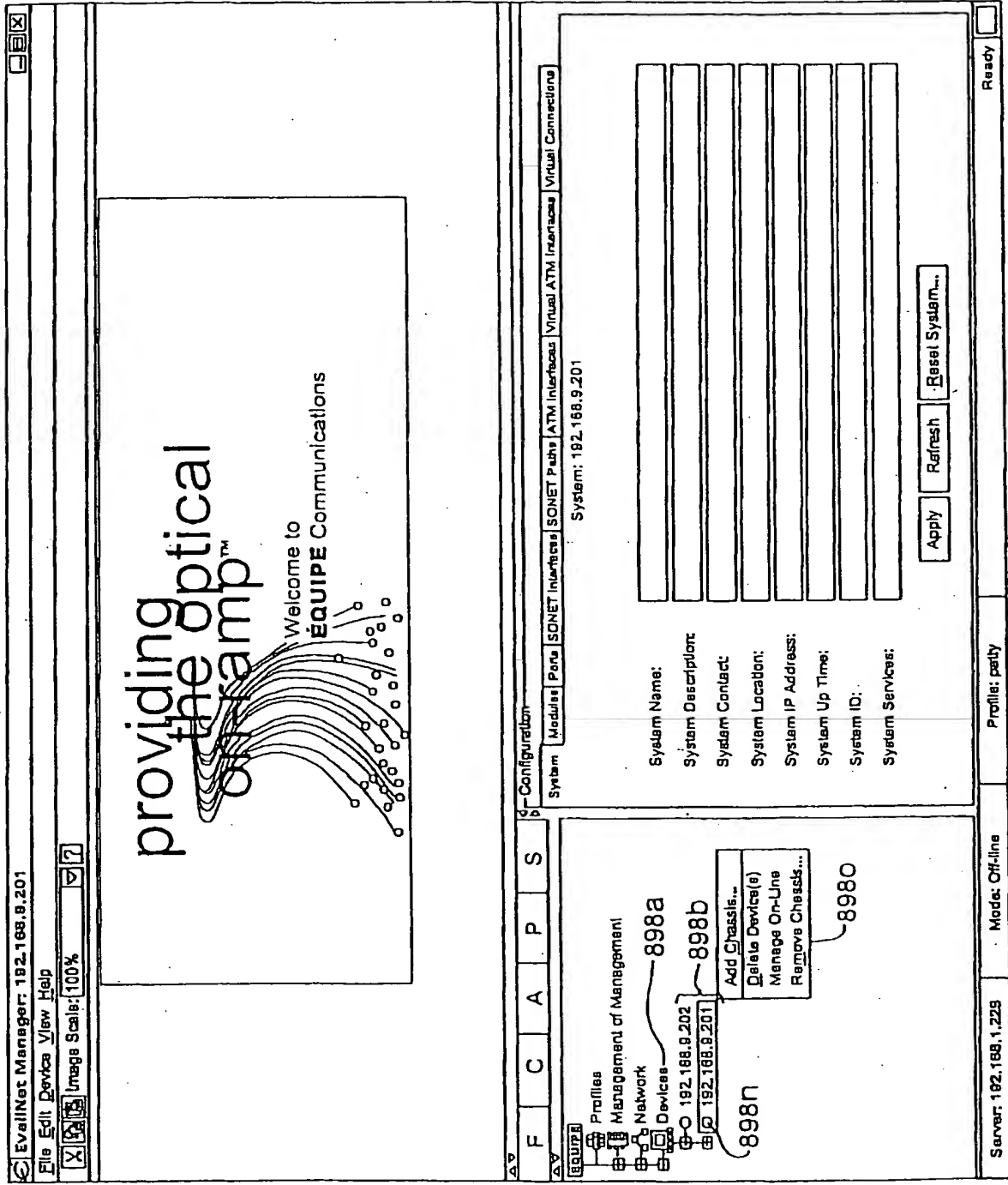


FIG. 6D

895

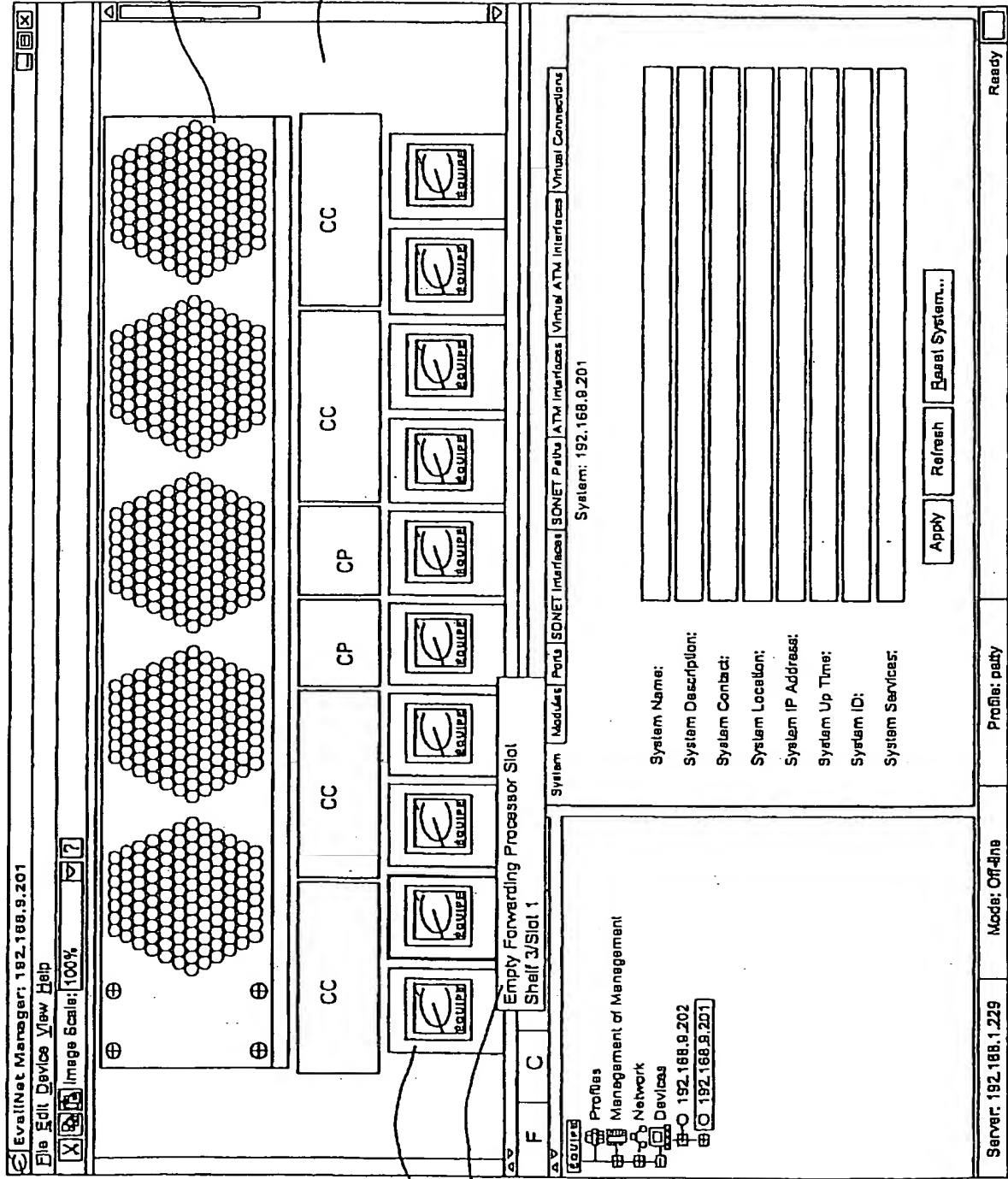


FIG. 6E

895

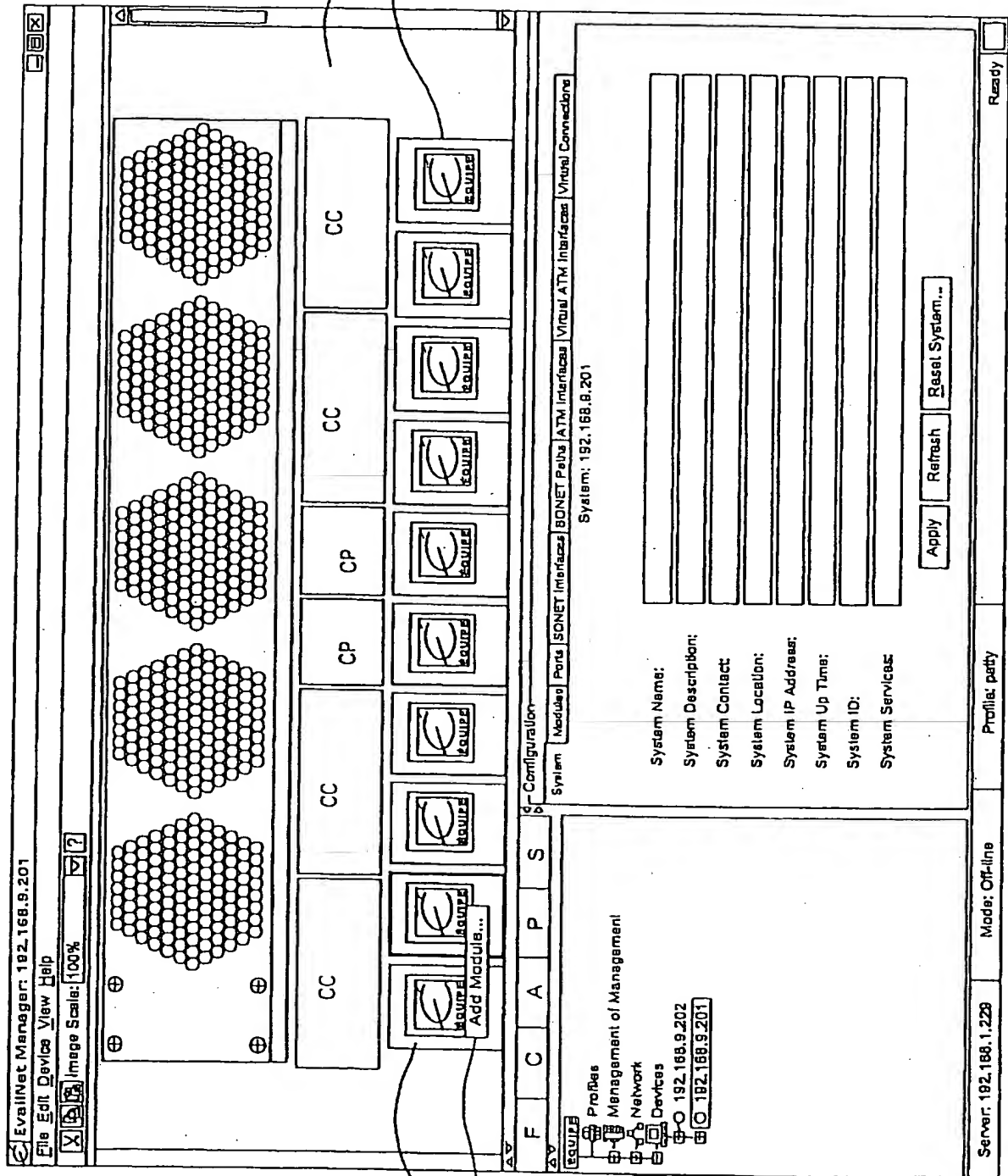
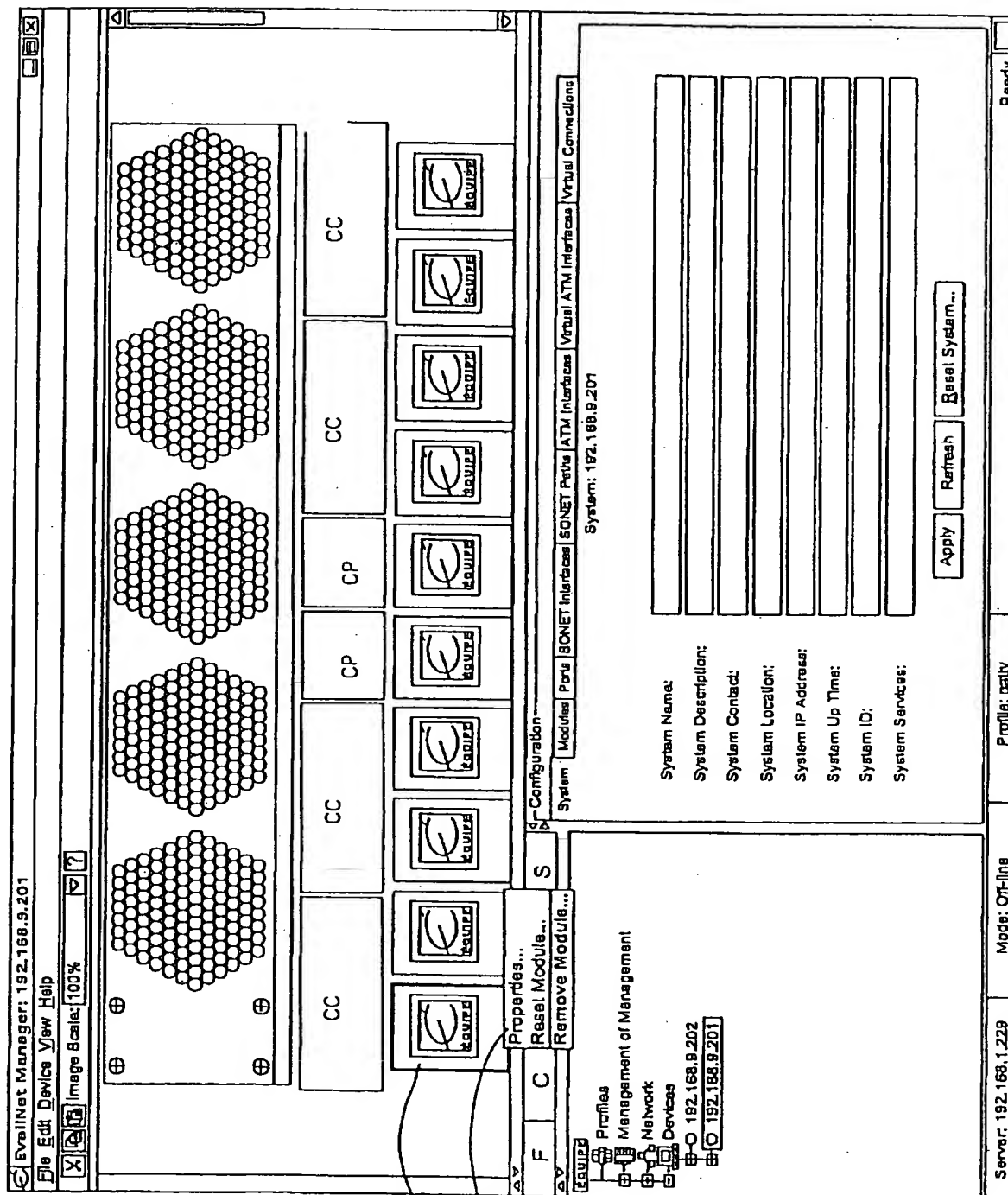


FIG. 6F

895

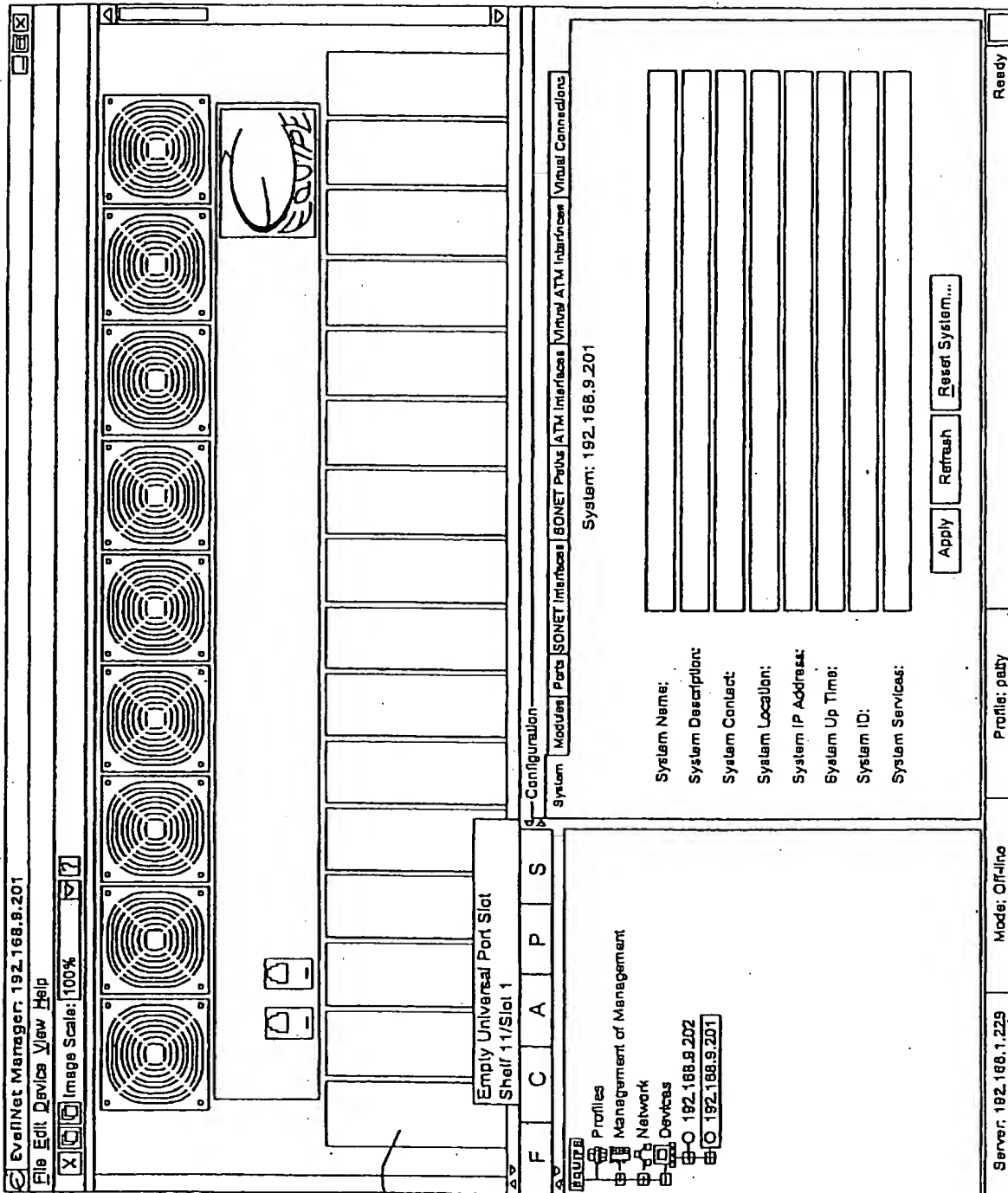


546a

896t

FIG. 6G

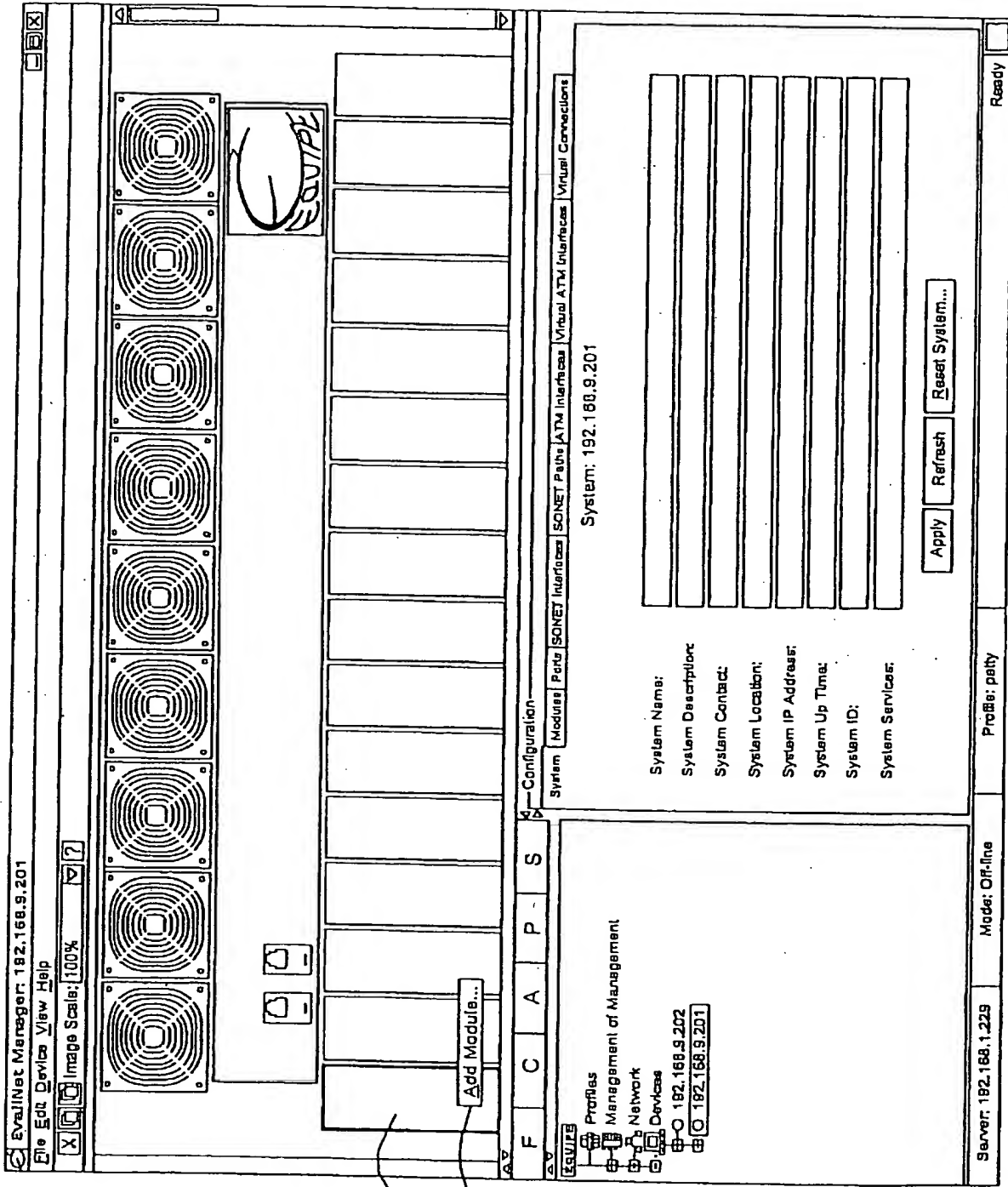
895



896f

FIG. 6H

895



896f

896g

FIG. 6I

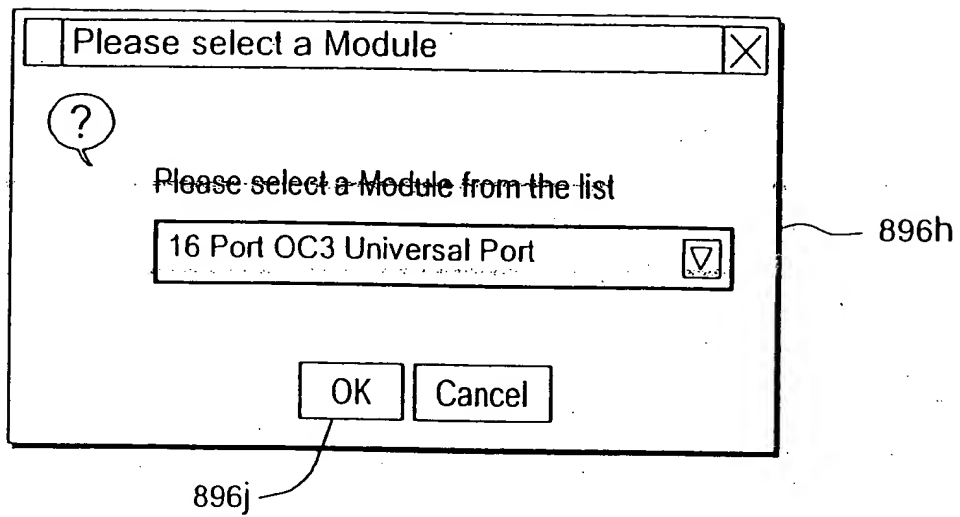


FIG. 6J

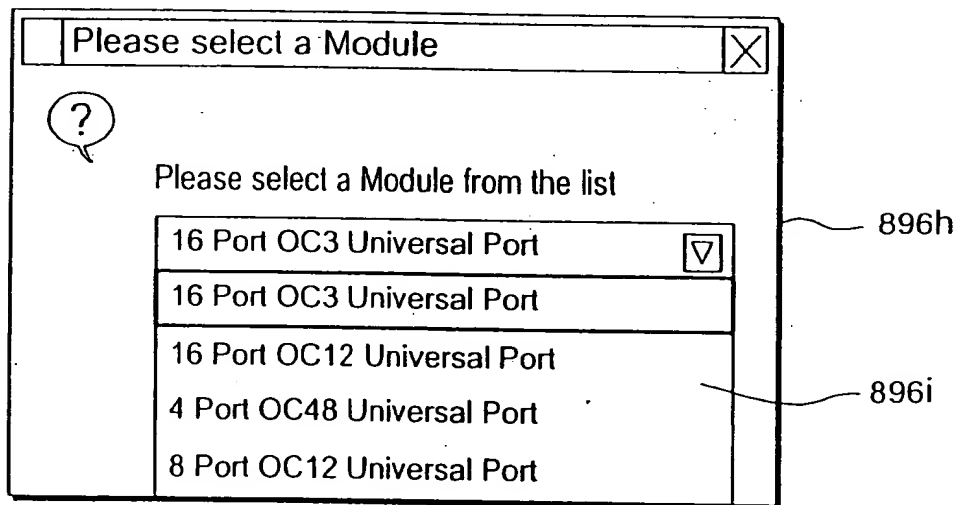


FIG. 6K

895

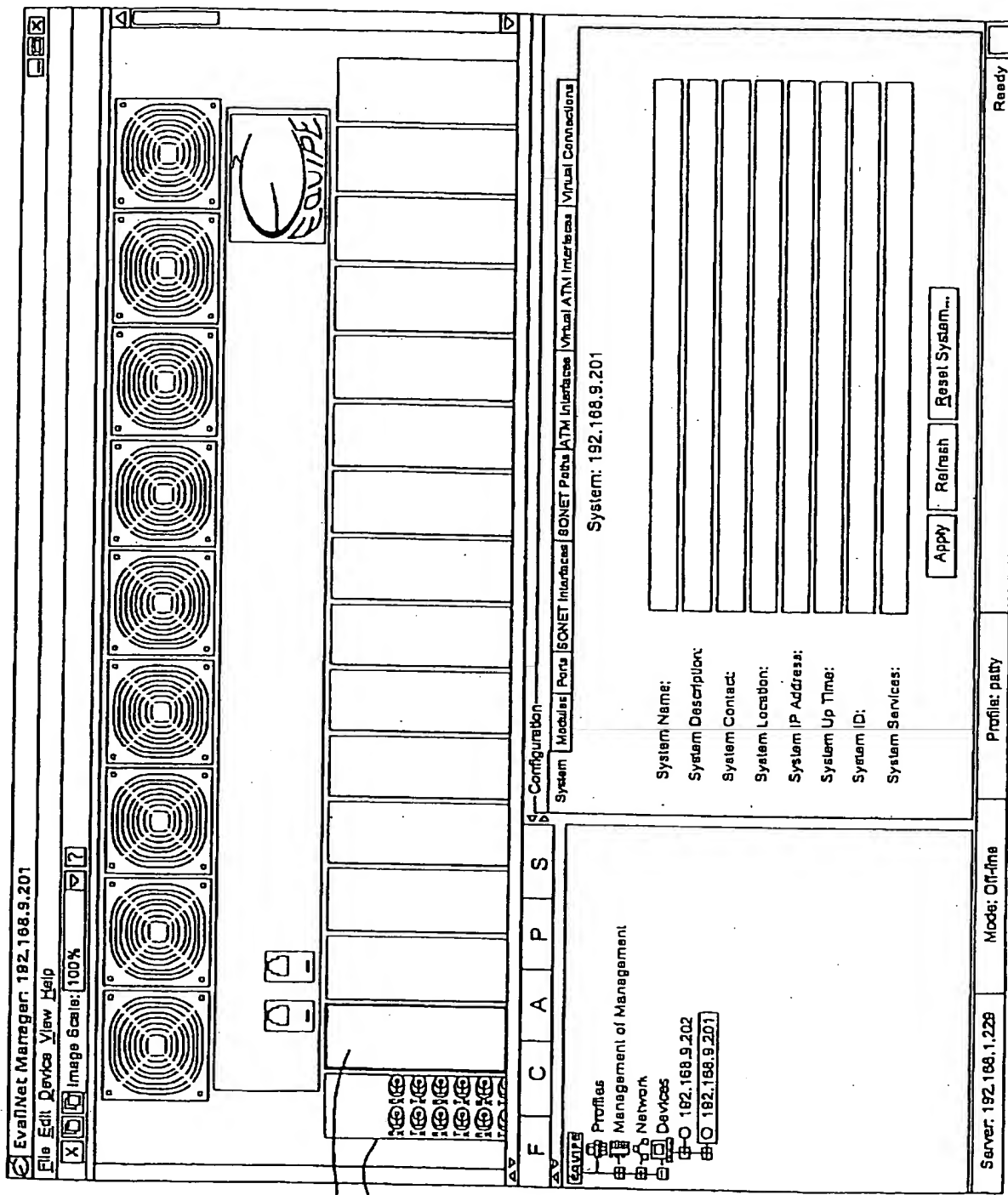


FIG. 6L

895

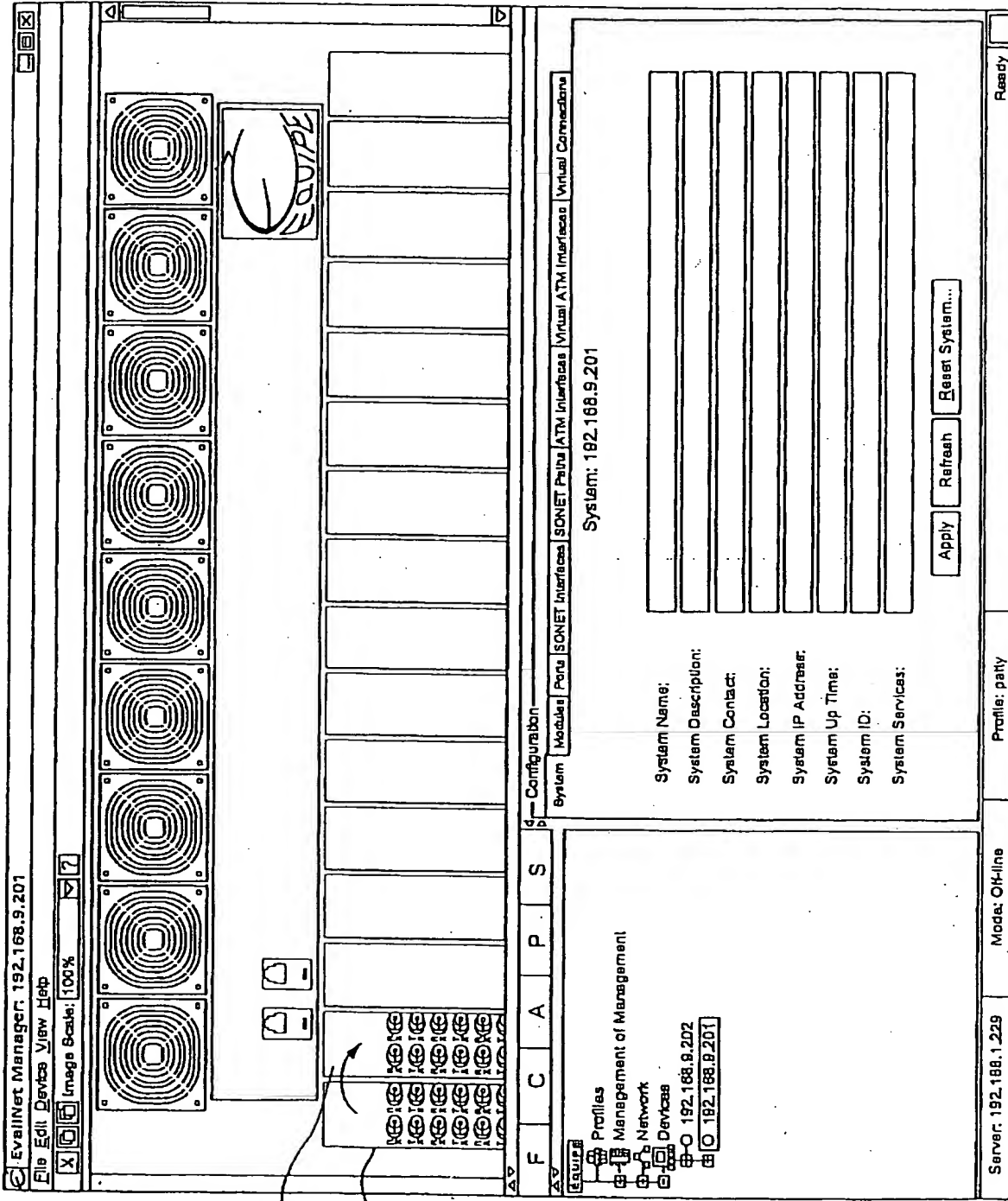


FIG. 6M

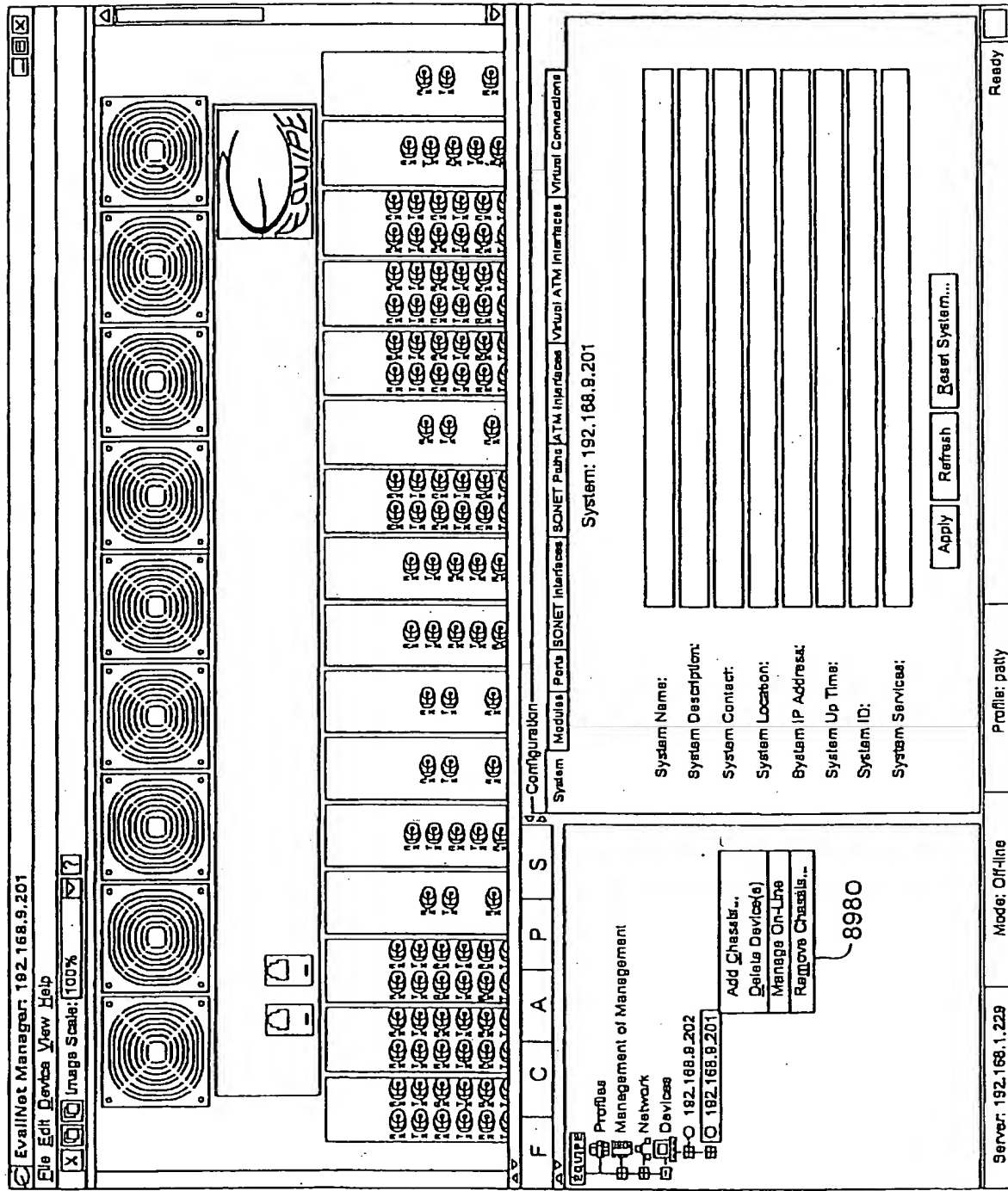


FIG. 6N

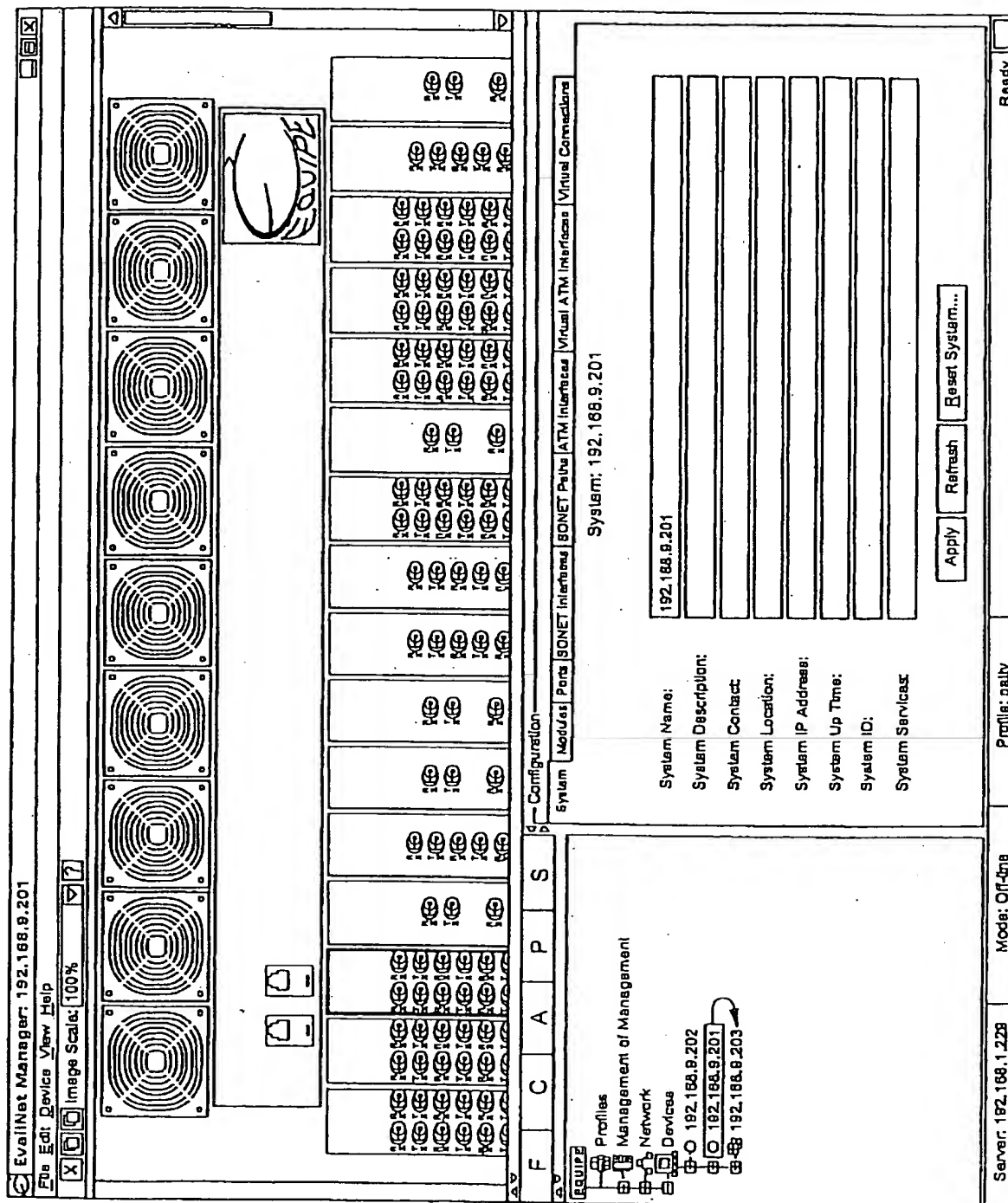


FIG. 60

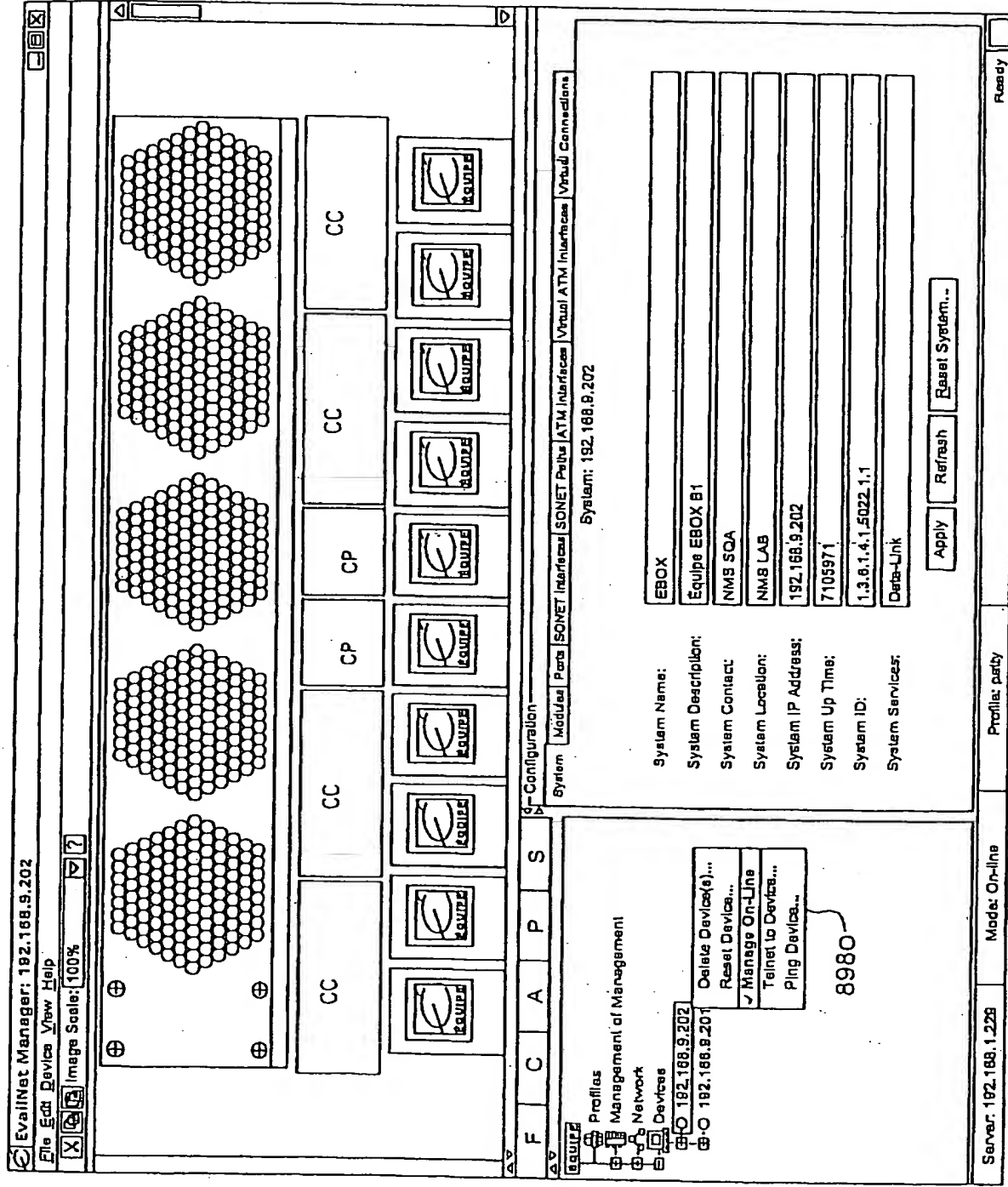
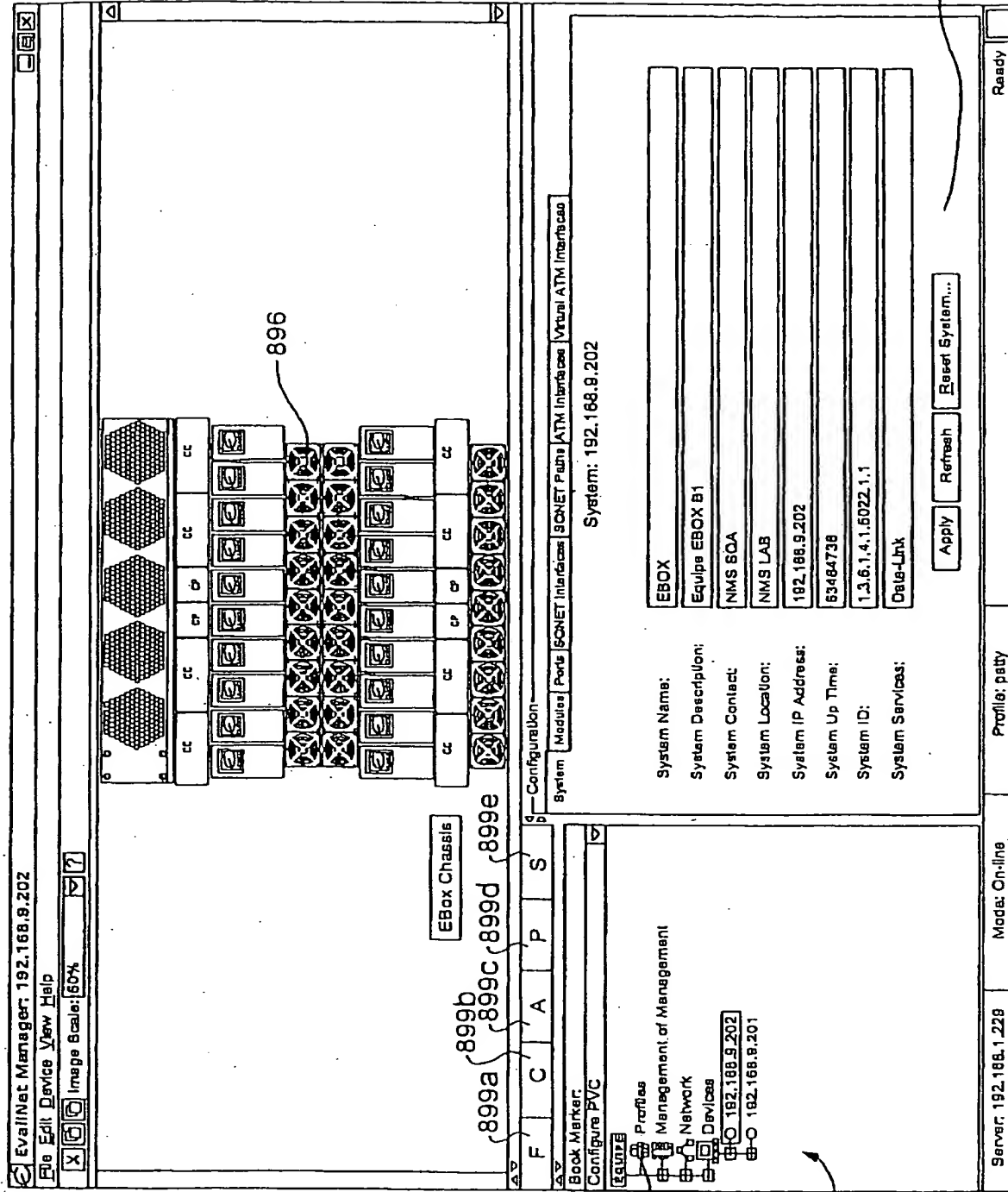


FIG. 6P

895



902

898

897

FIG. 7A

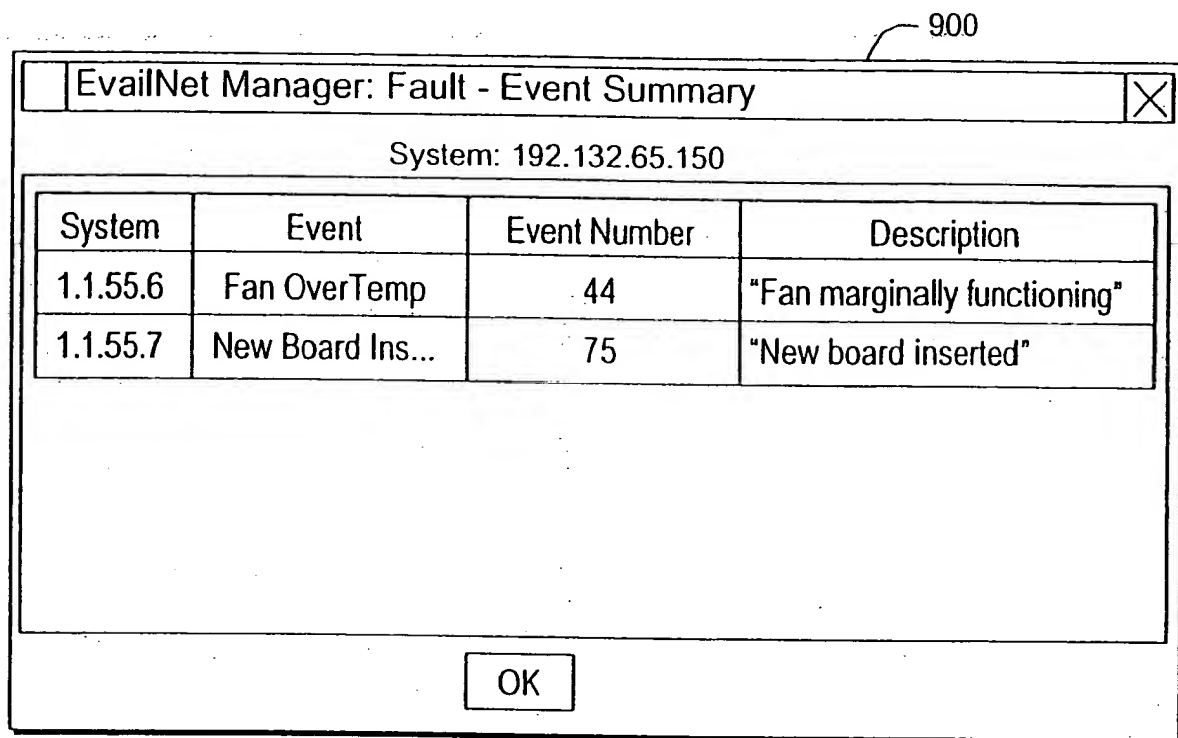


FIG. 7B

[illegible]

FIG. 7C

FIG. 7D

895

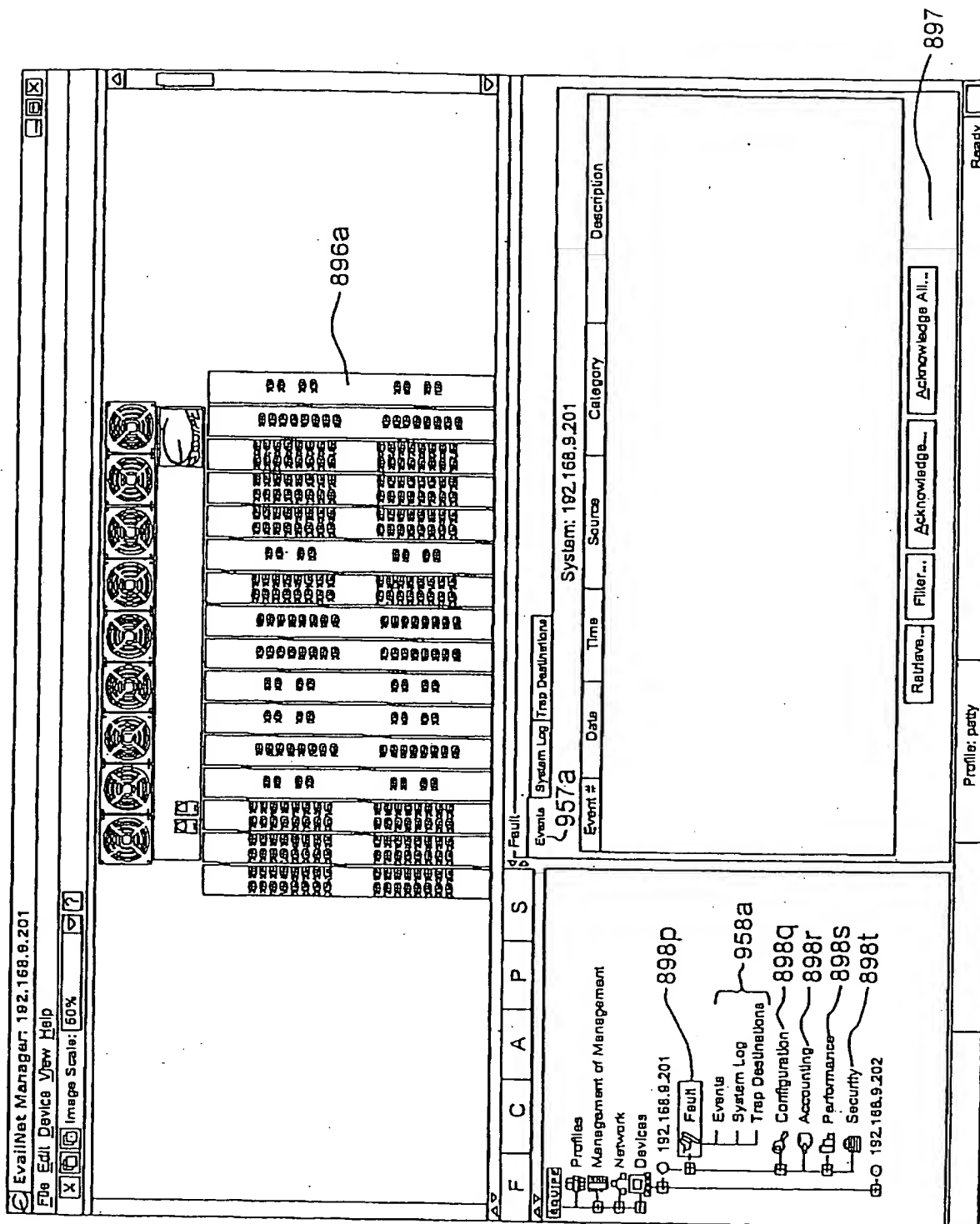


FIG. 7E

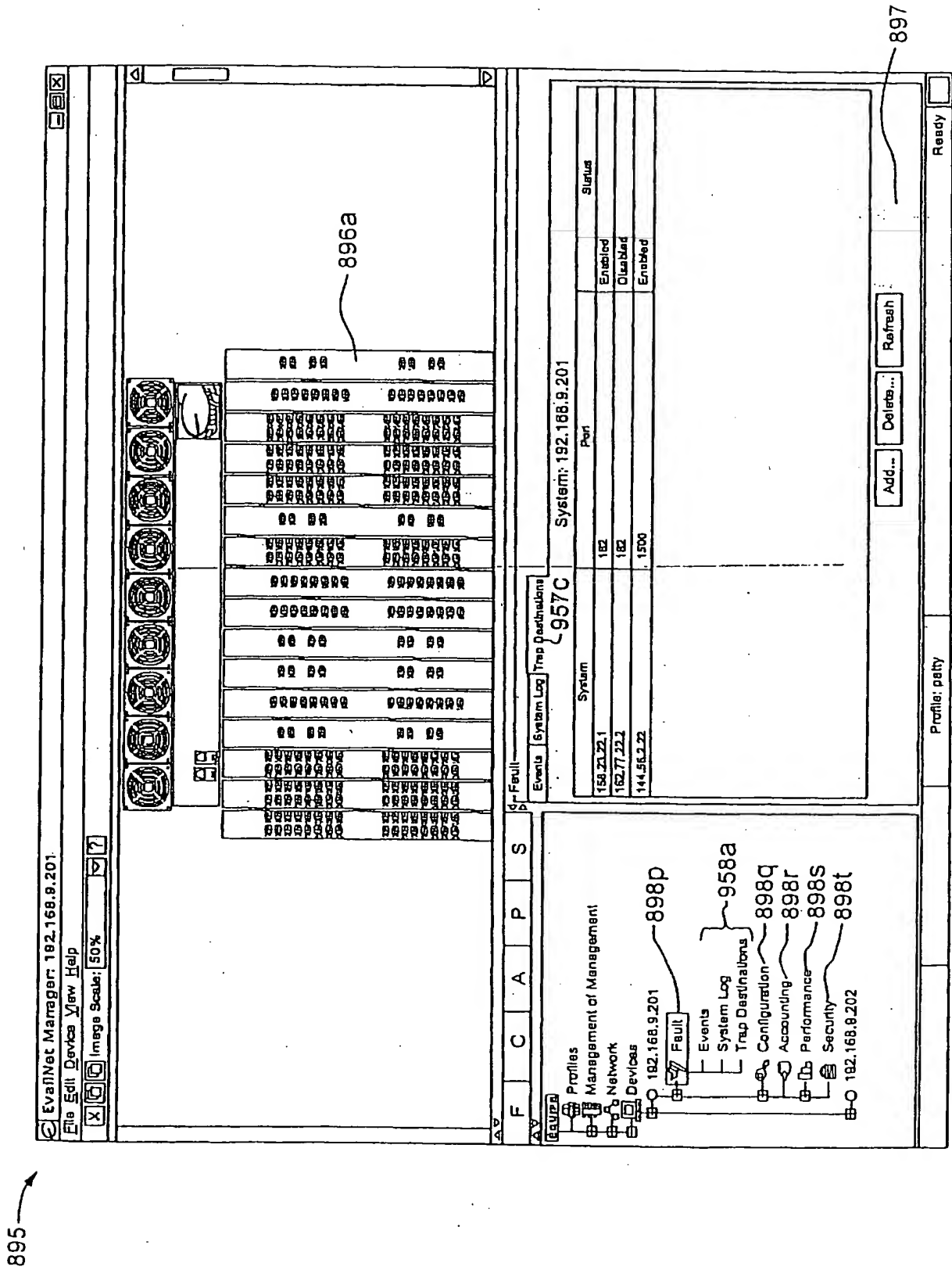


FIG. 7H

895

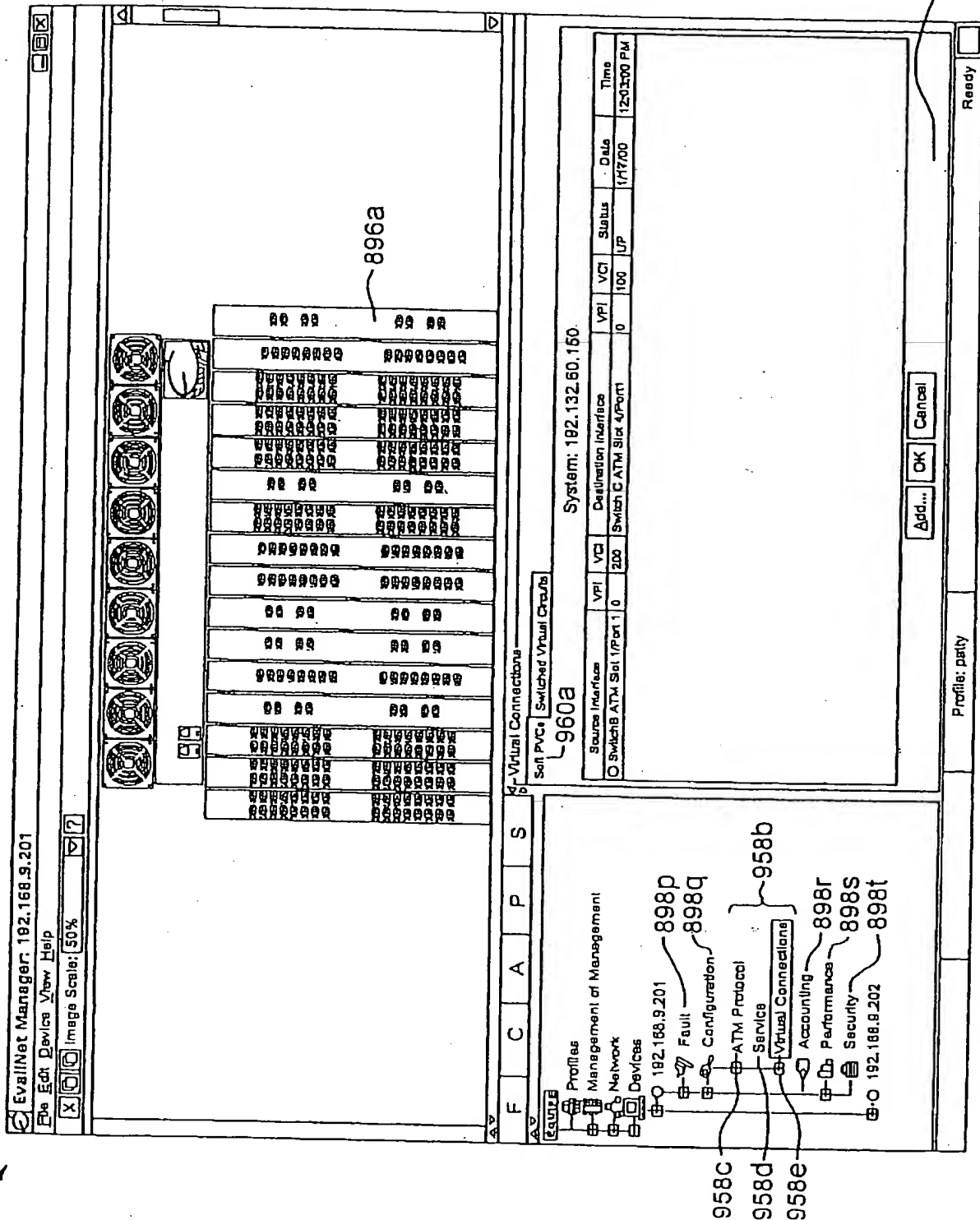


FIG. 7J

FIG. 7K

895

EvalNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%

896a

897

Ready

Profile: patty

System: 192.168.9.201

Primary Archive Host

Enable

Host Address: 0 0 0 0

Destination Path: /

User Name:

Password:

Backup Archive Host

Enable

Host Address: 0 0 0 0

Destination Path: /

User Name:

Password:

Backup File Storage

Max. Files (VC Acct): 4

Max. Files (ATM Stats): 4

Max. Files (Sonet Stats): 4

Stats Timer

VC Accounting 1 hr

ATM Stats 1 hr

SONET Stats 1 hr

Apply Cancel

Accounting

Collection Setup

961

Equipment

Profiles

Management of Management

Network

Devices

192.168.9.201

Fault

Configuration

Accounting

Performance

Security

192.168.9.202

898p

898q

898r

898s

898t

FIG. 7L

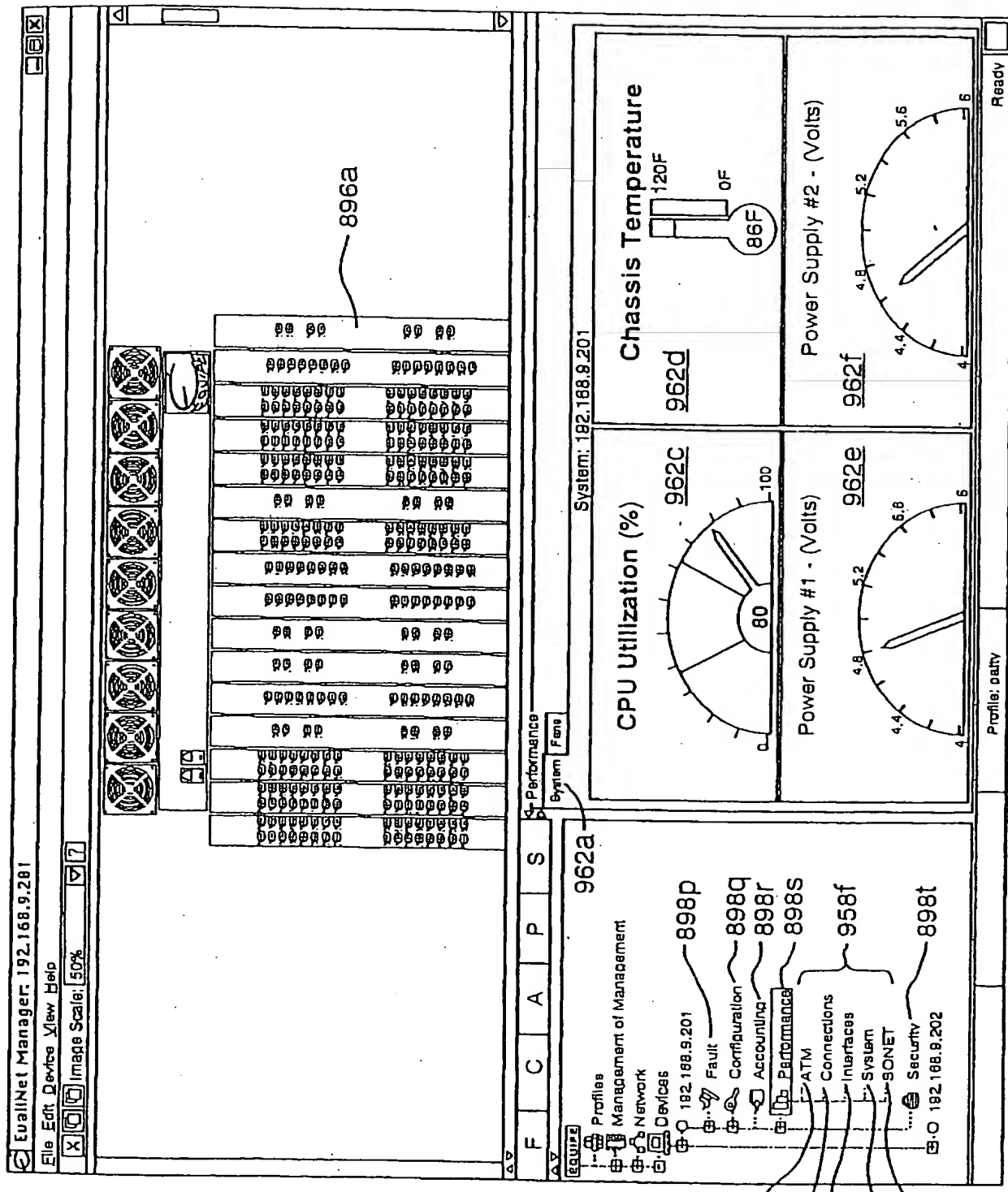


FIG. 7M

895

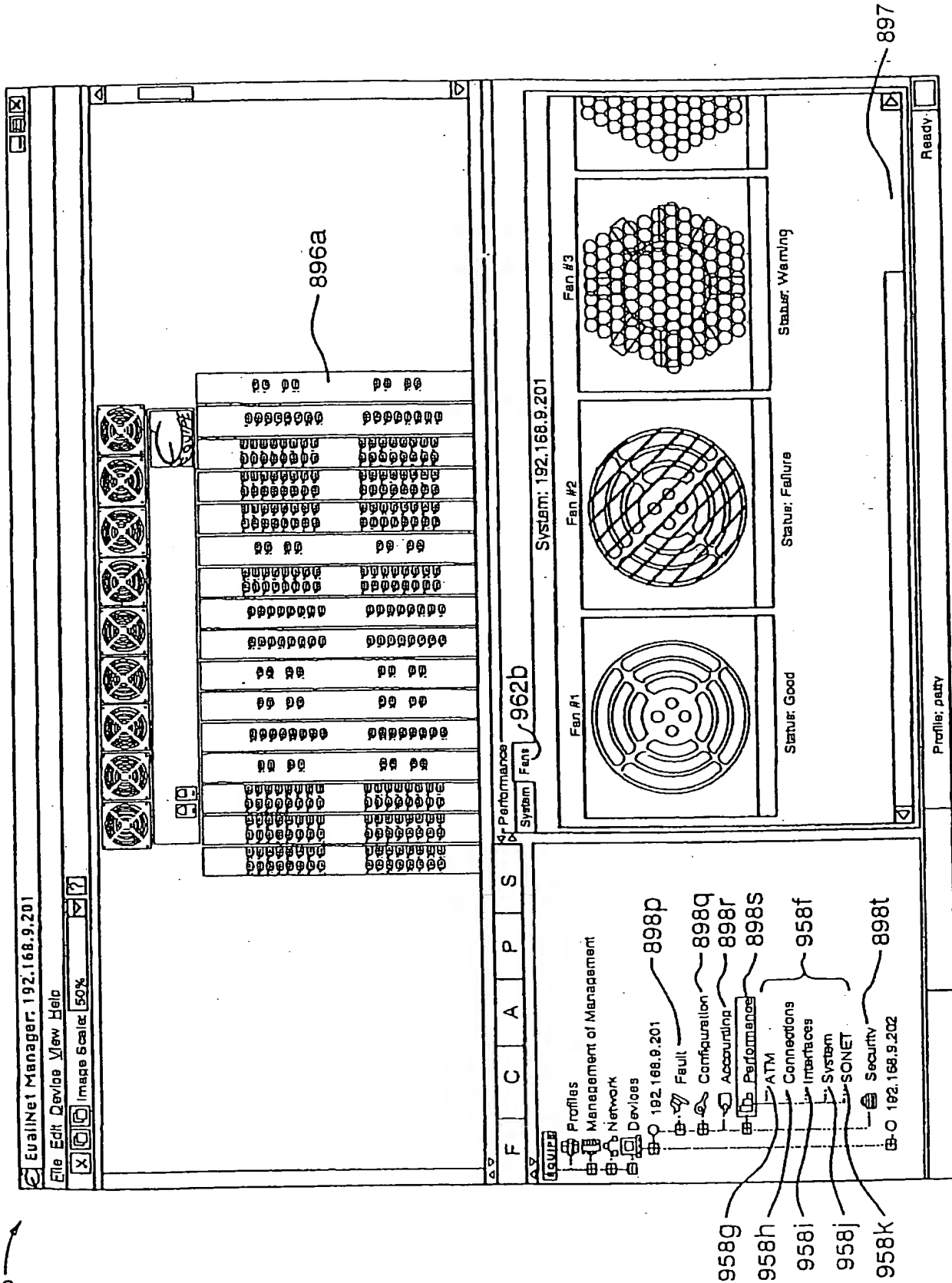


FIG. 7N

895

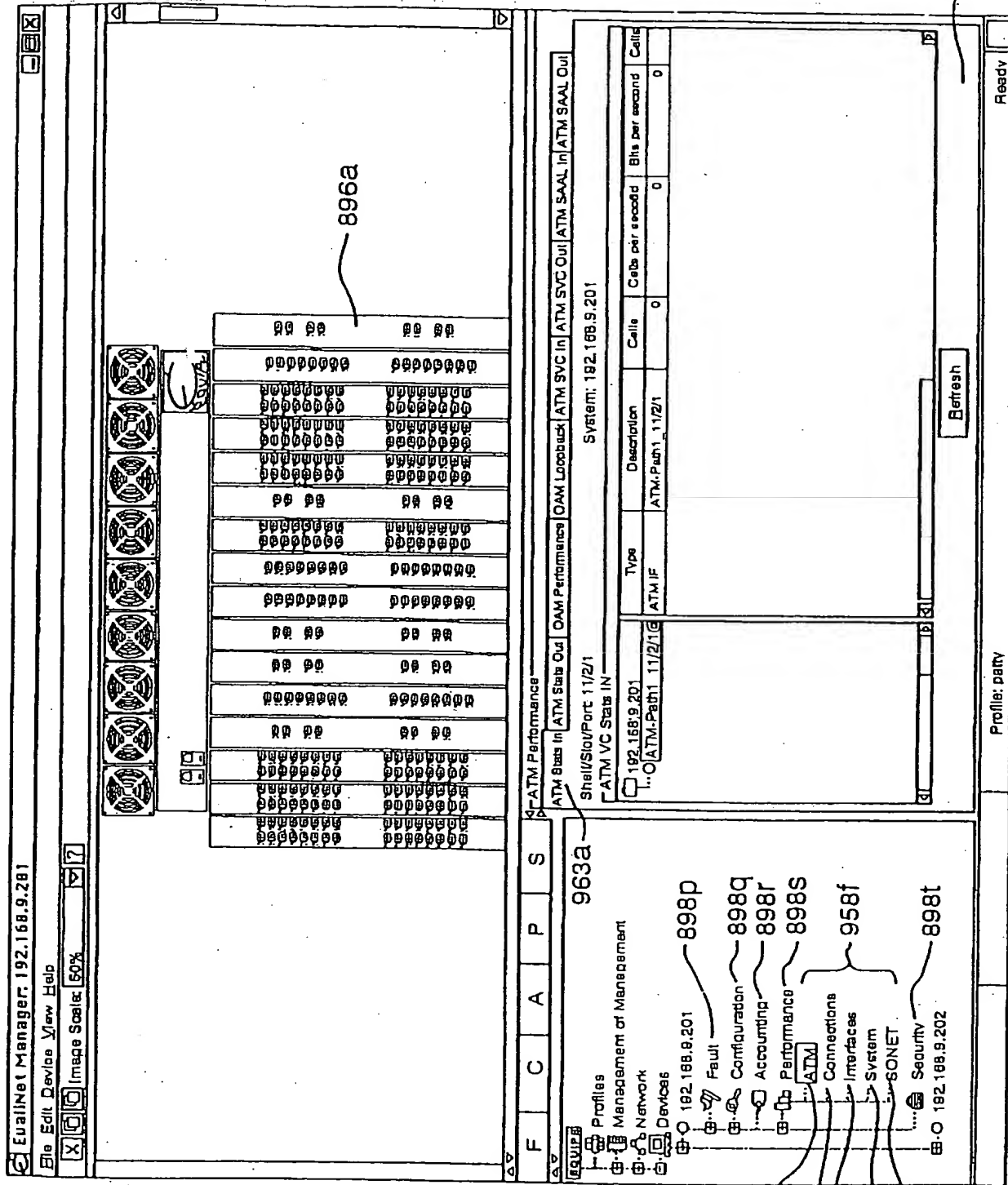


FIG. 70

895

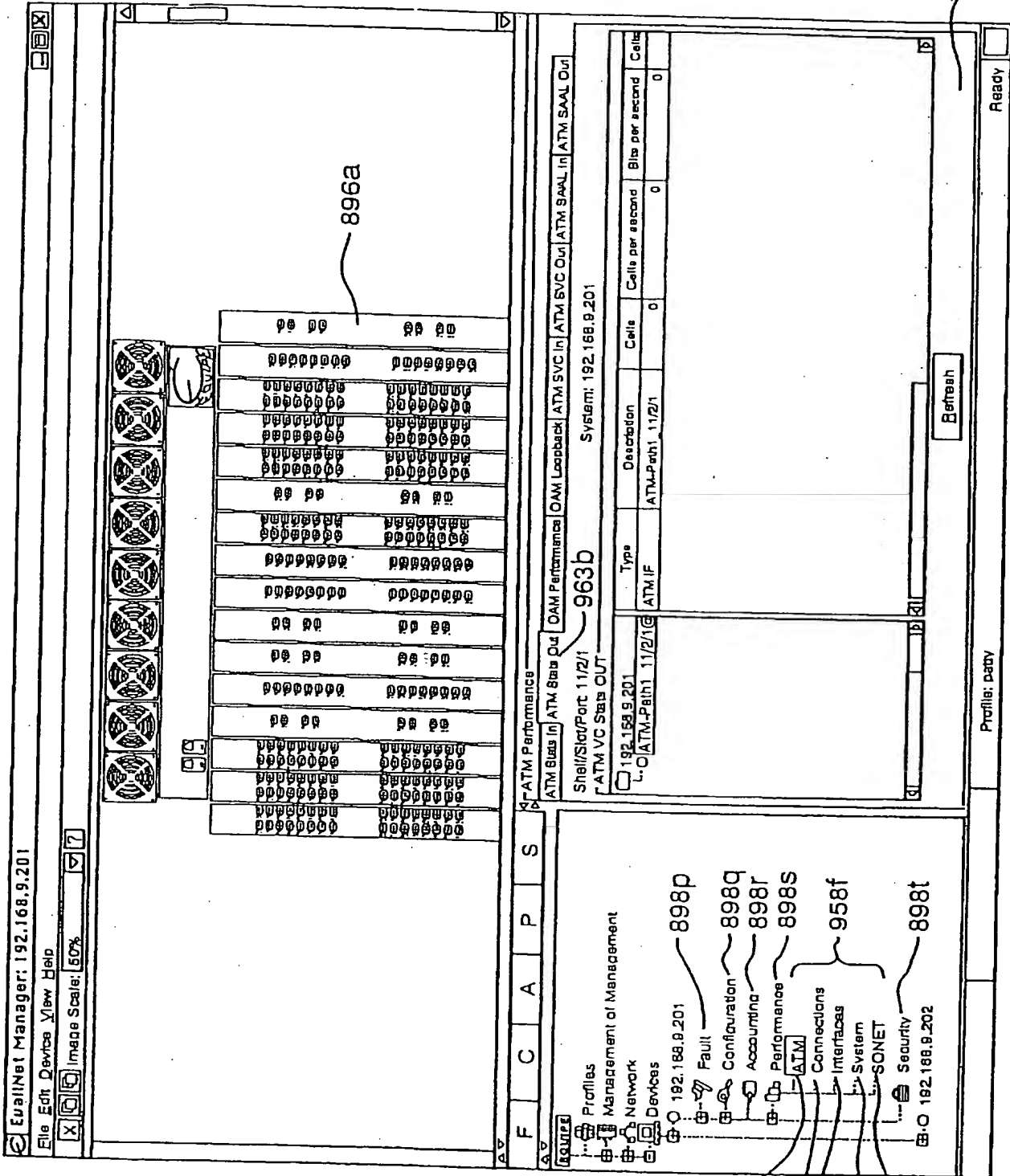


FIG. 7P

895

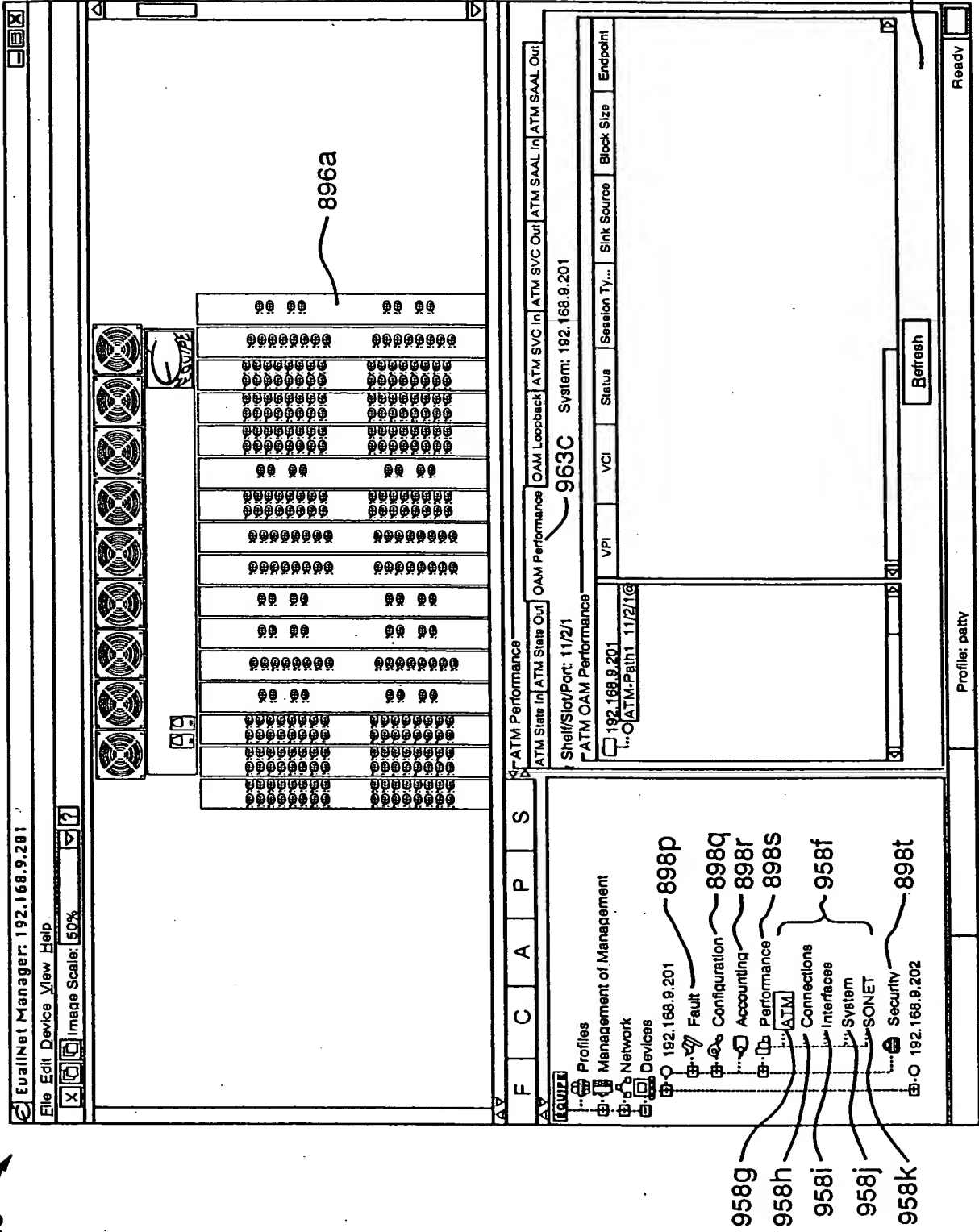


FIG. 7Q

895

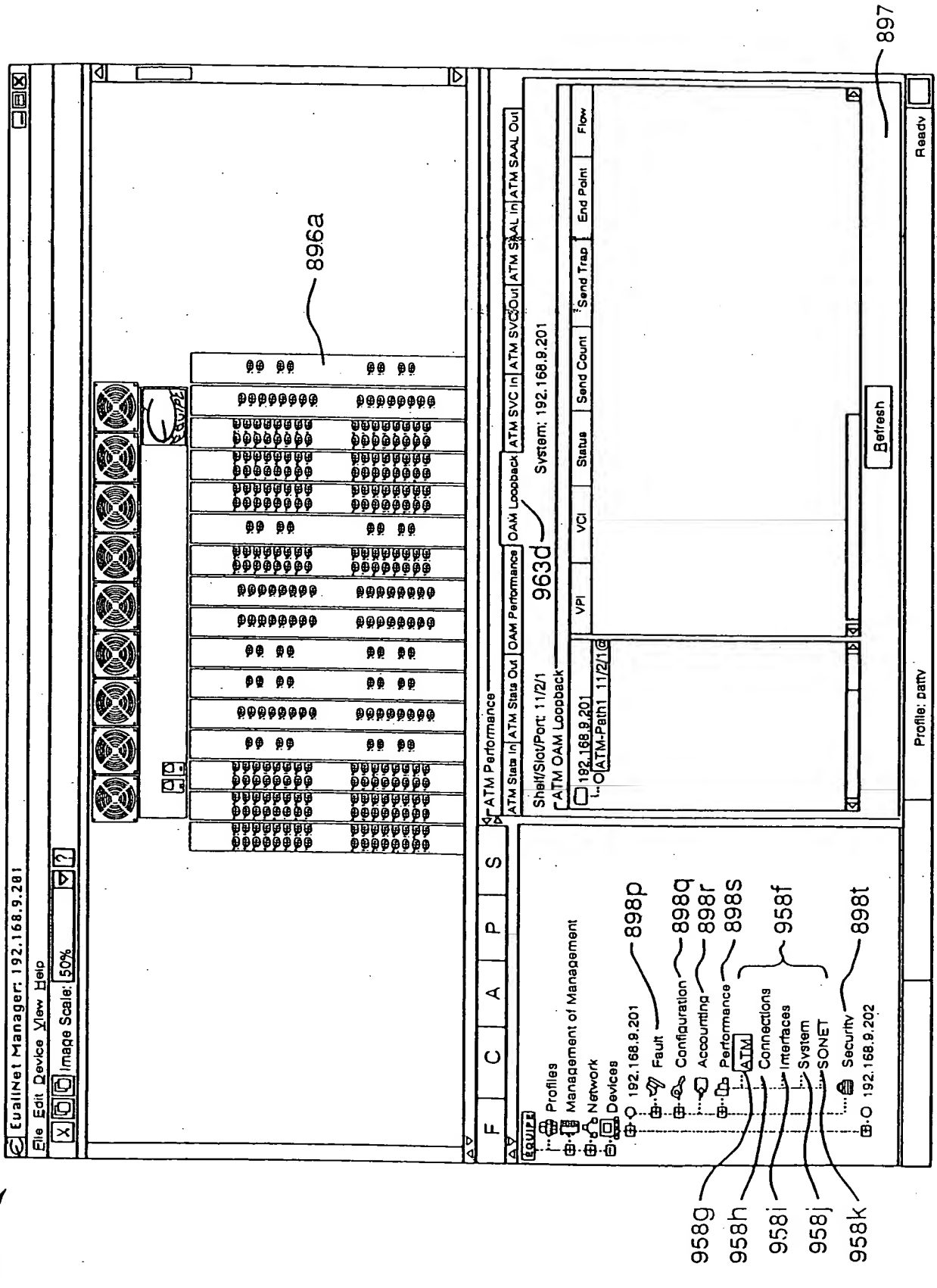


FIG. 7R

895

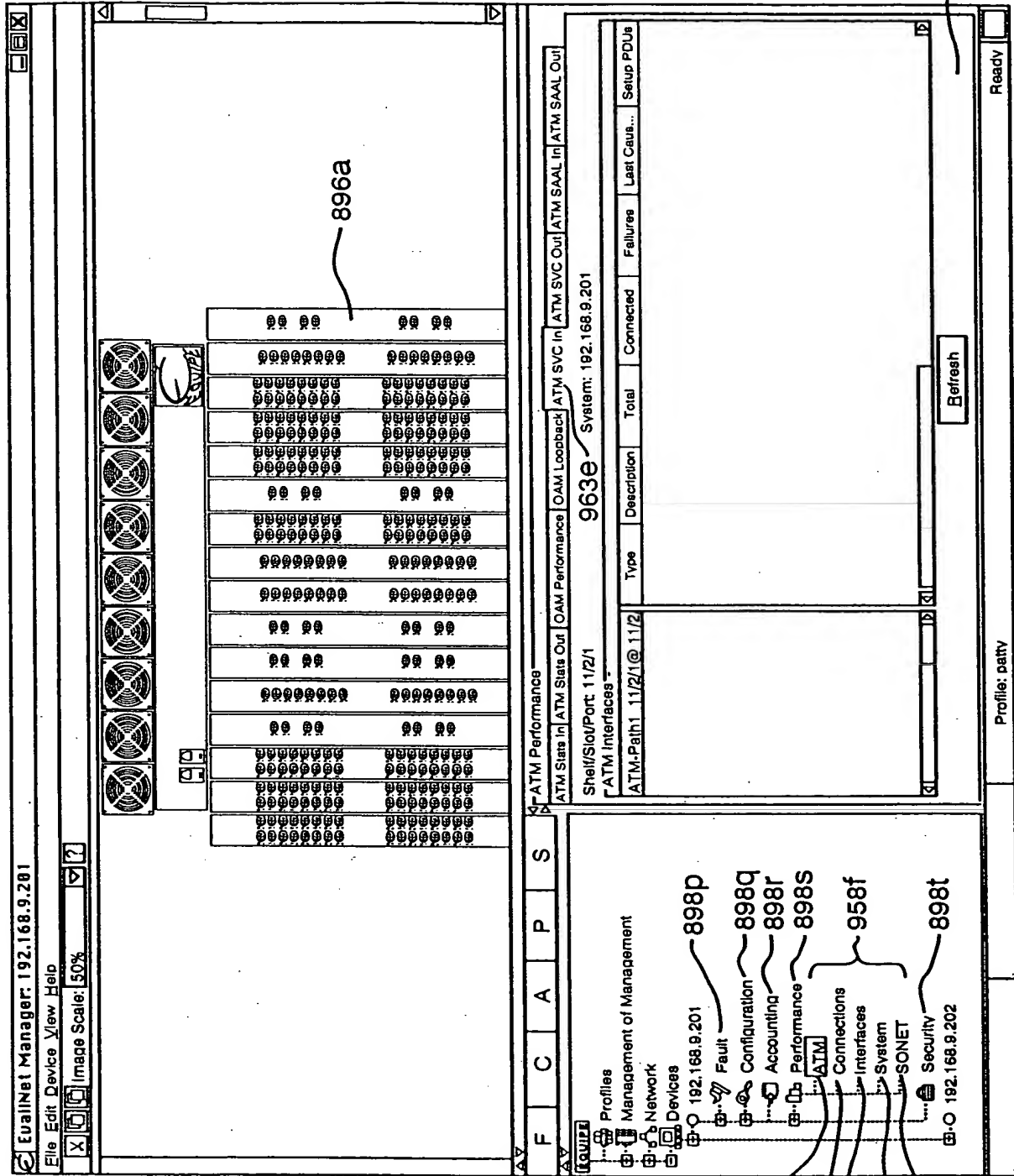


FIG. 7S

895

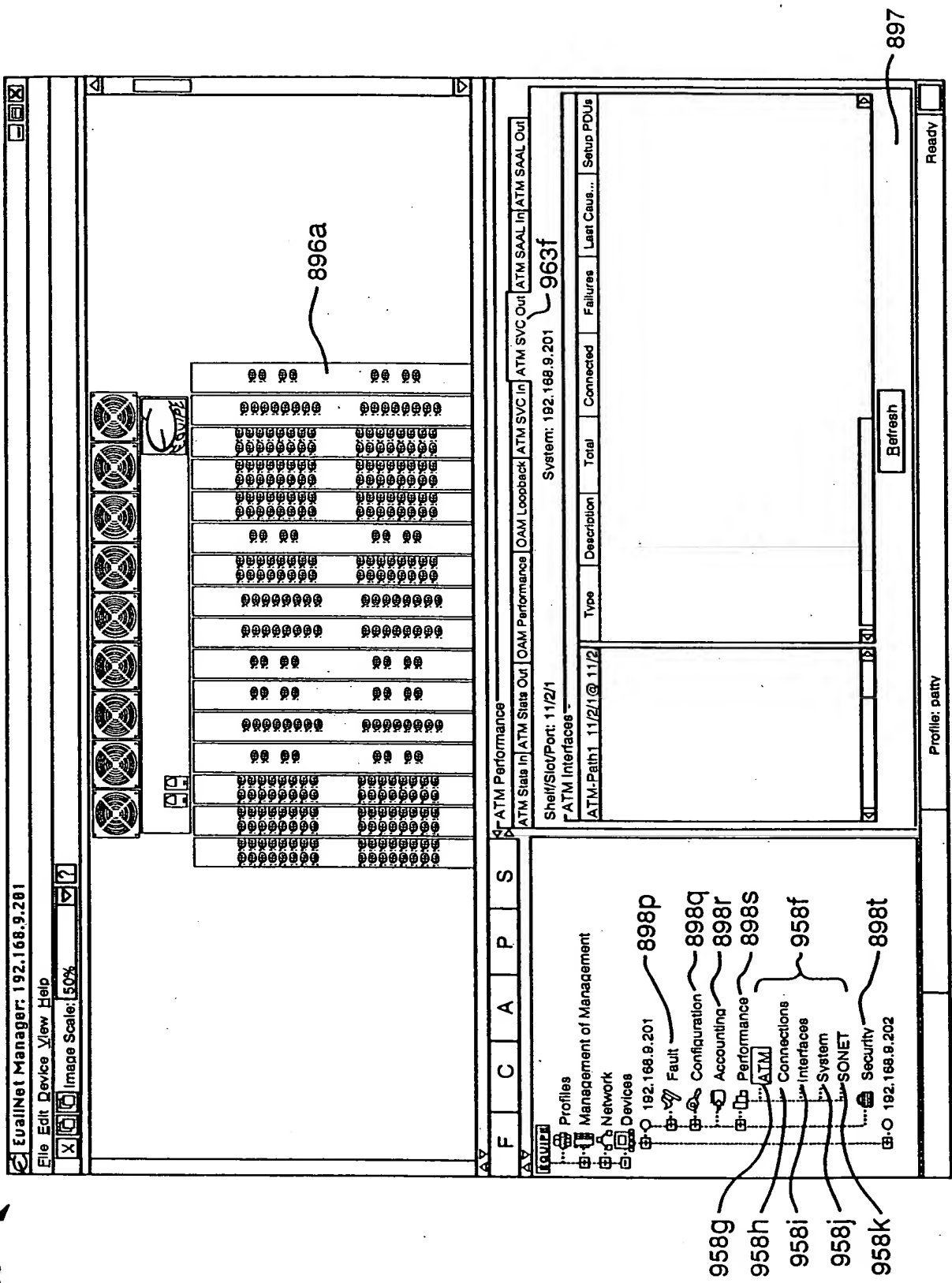


FIG. 7T

895

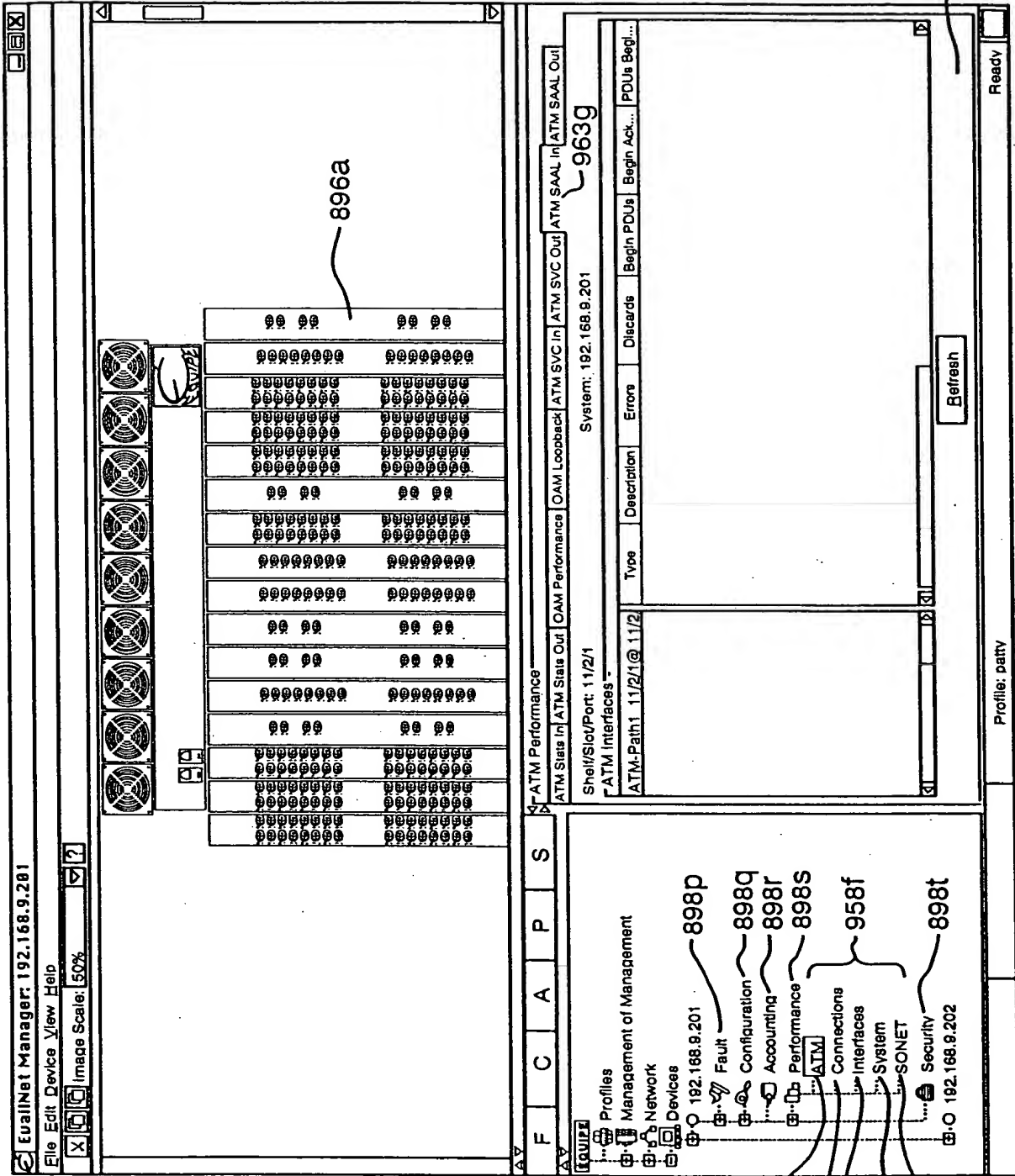


FIG. 7U

895

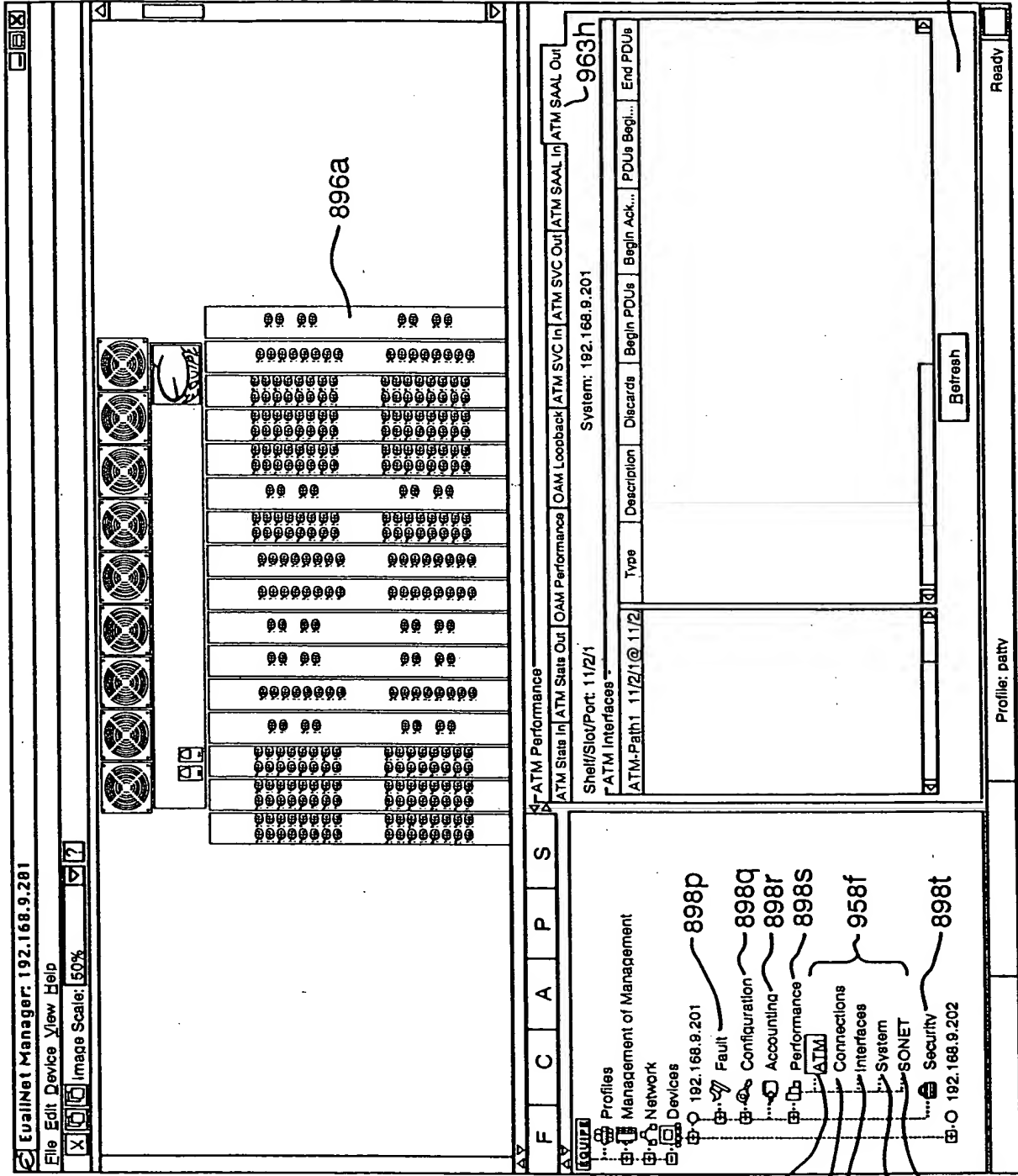


FIG. 7V

895

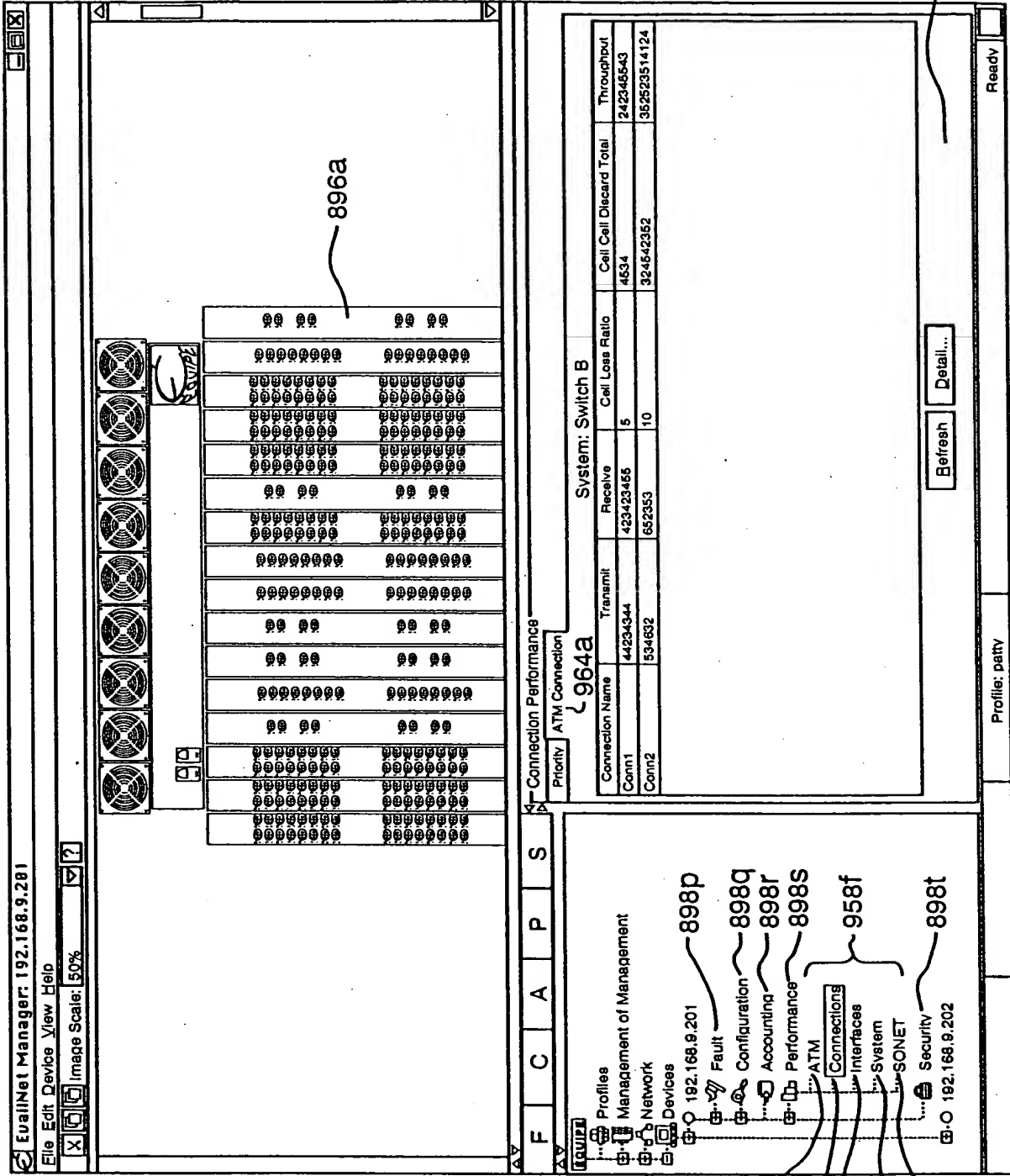


FIG. 7W

895

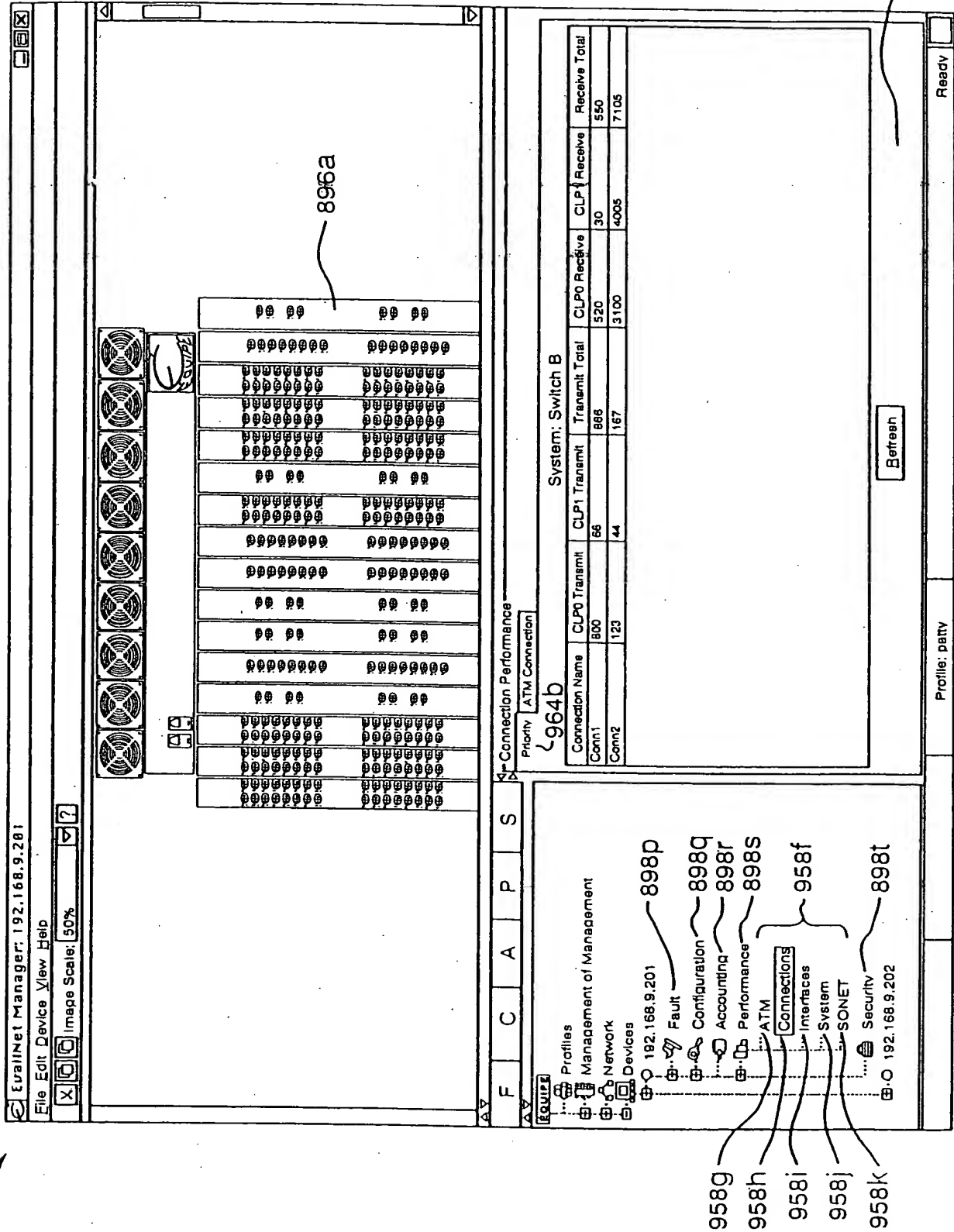


FIG. 7X

895

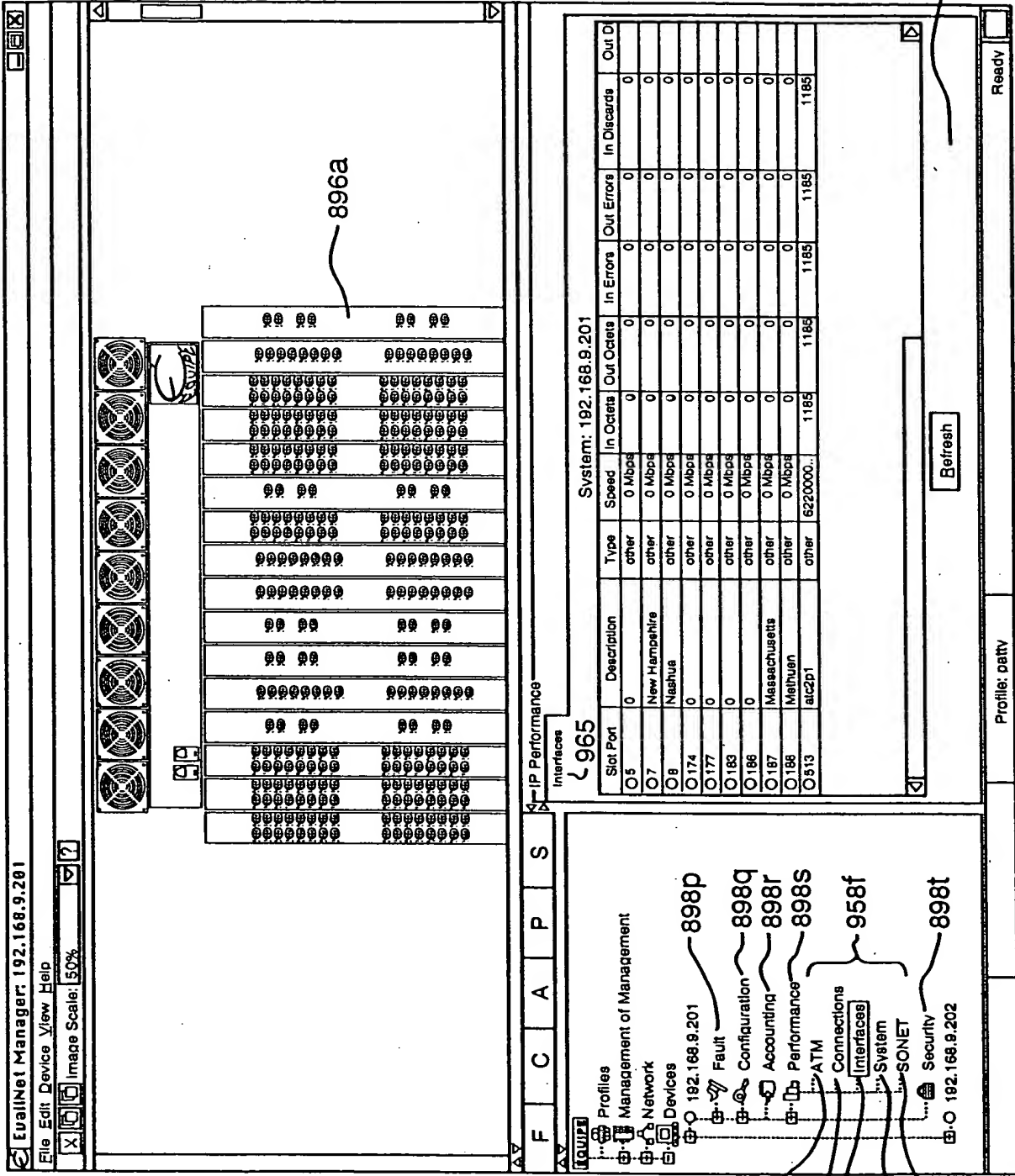
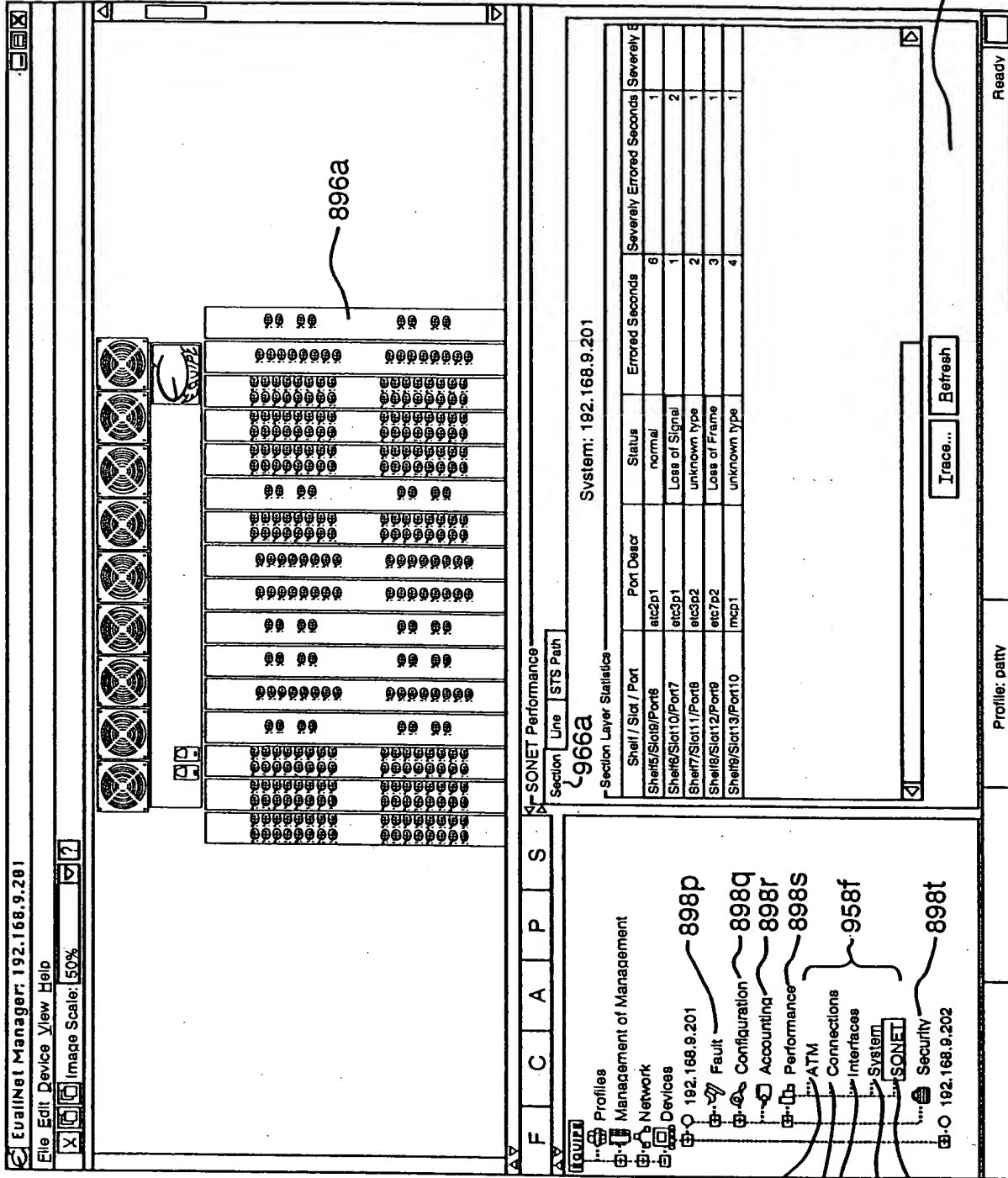


FIG. 7Y

895



897

FIG. 8A

895

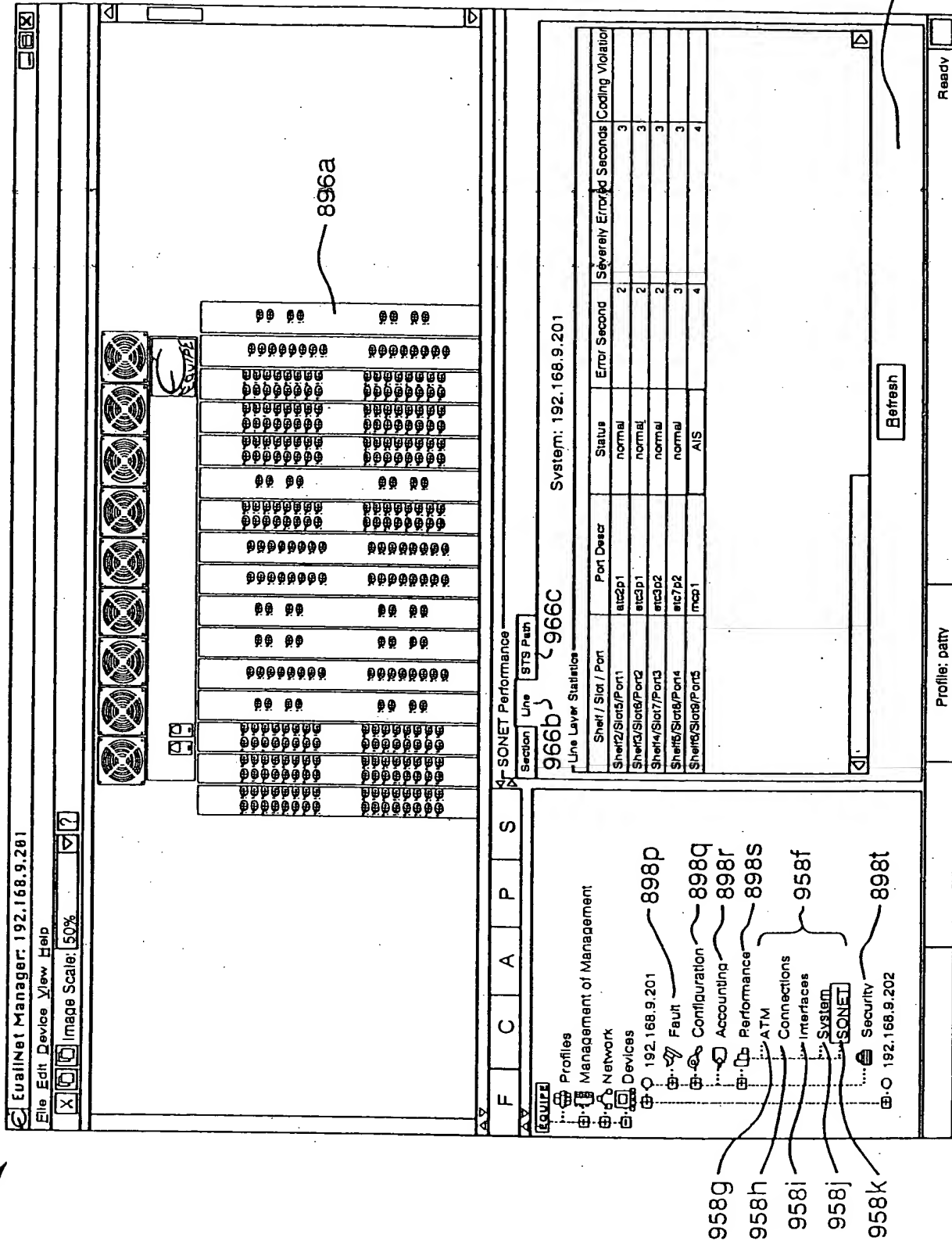


FIG. 8B

895

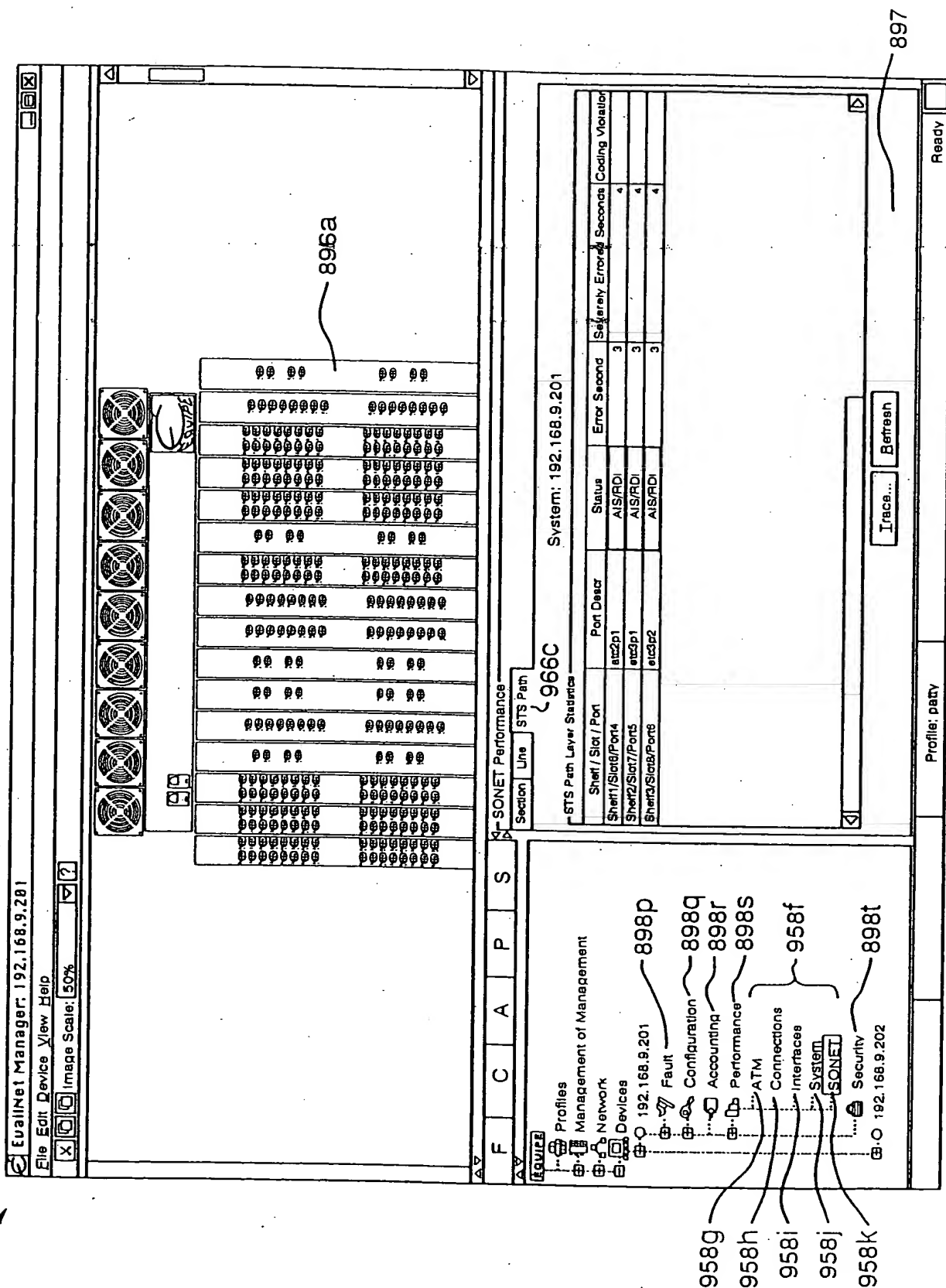


FIG. 8C

895

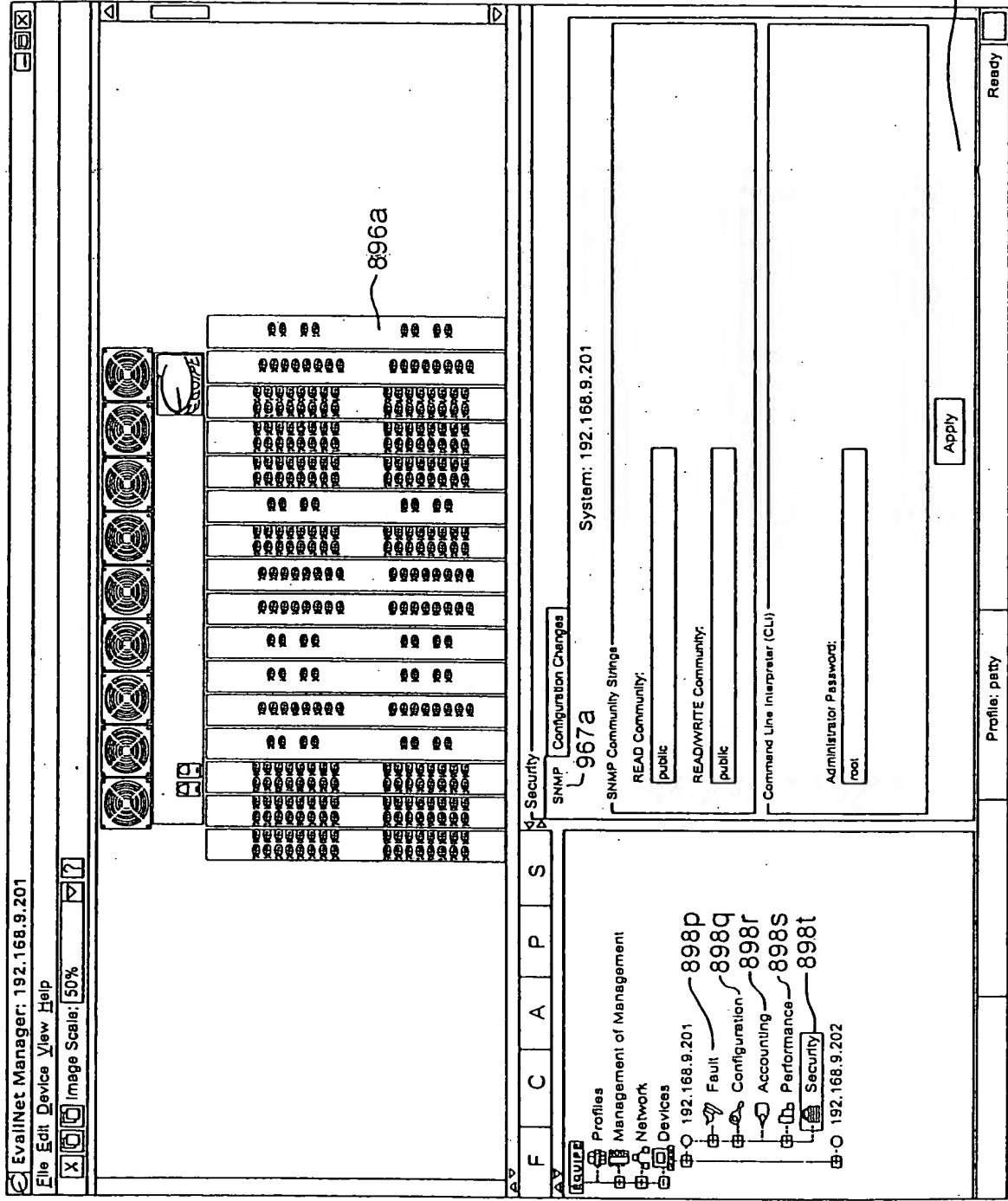
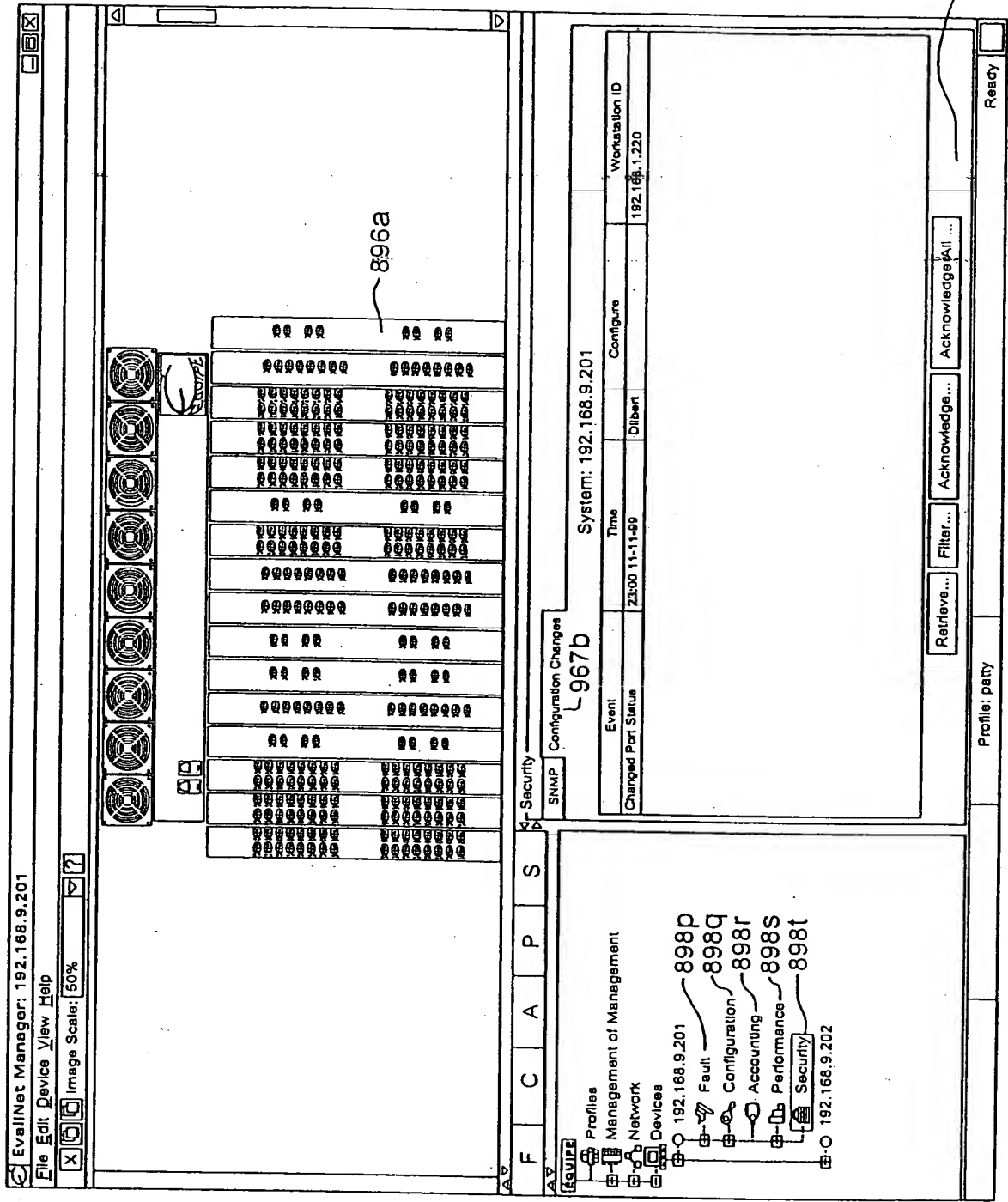


FIG. 8D

895



897

FIG. 8E

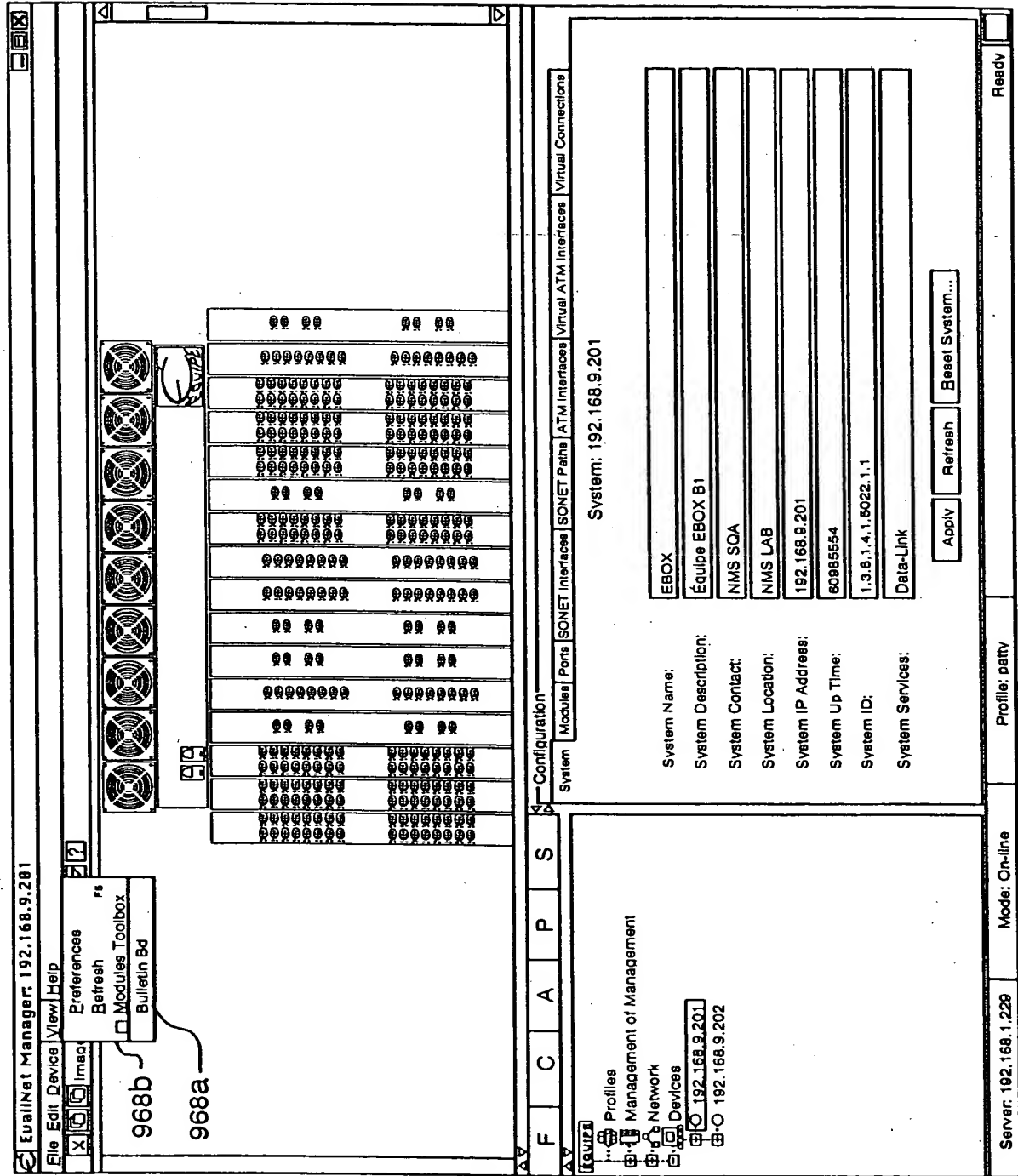


FIG. 9A

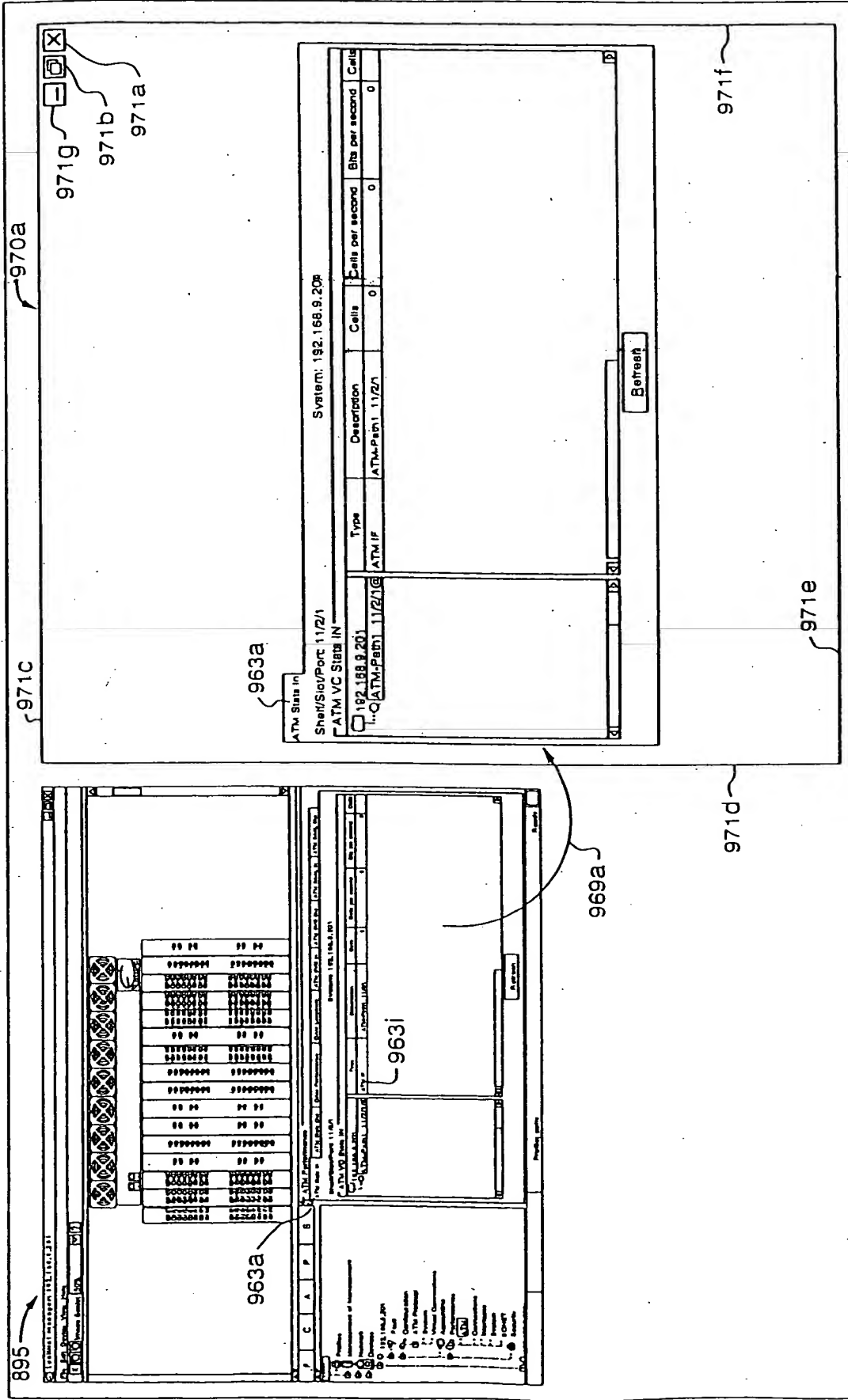


FIG. 9B

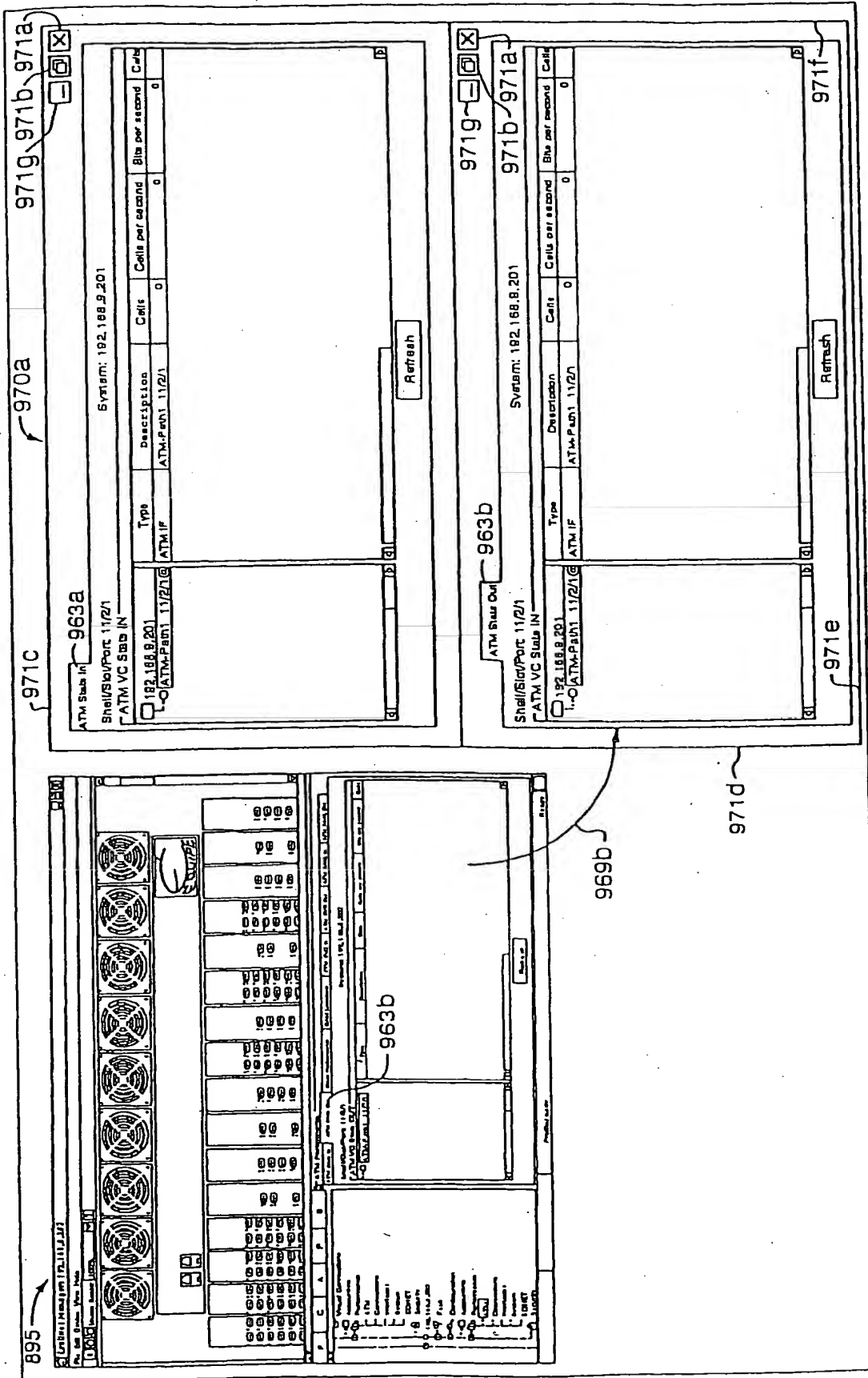


FIG. 9C

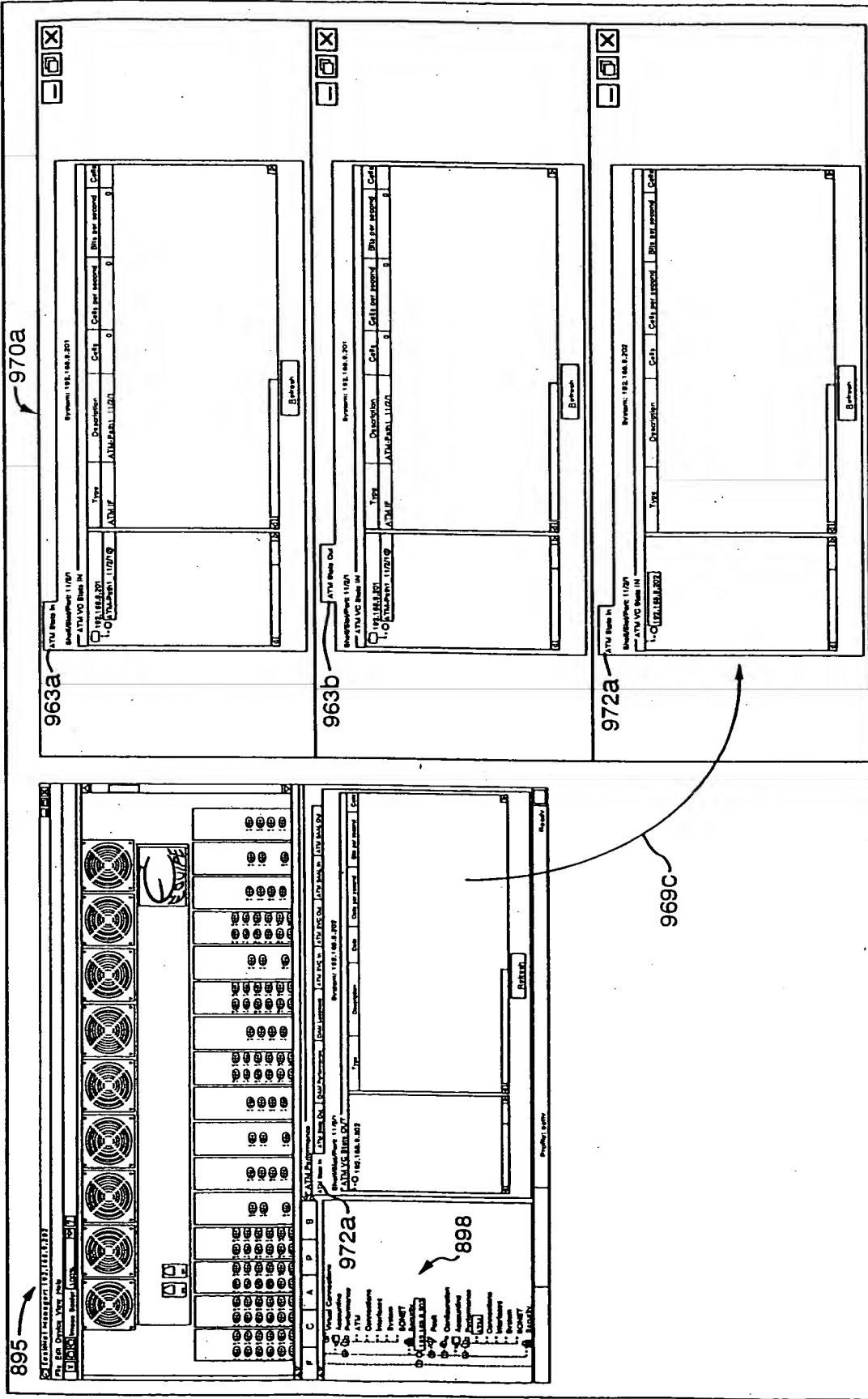


FIG. 9D

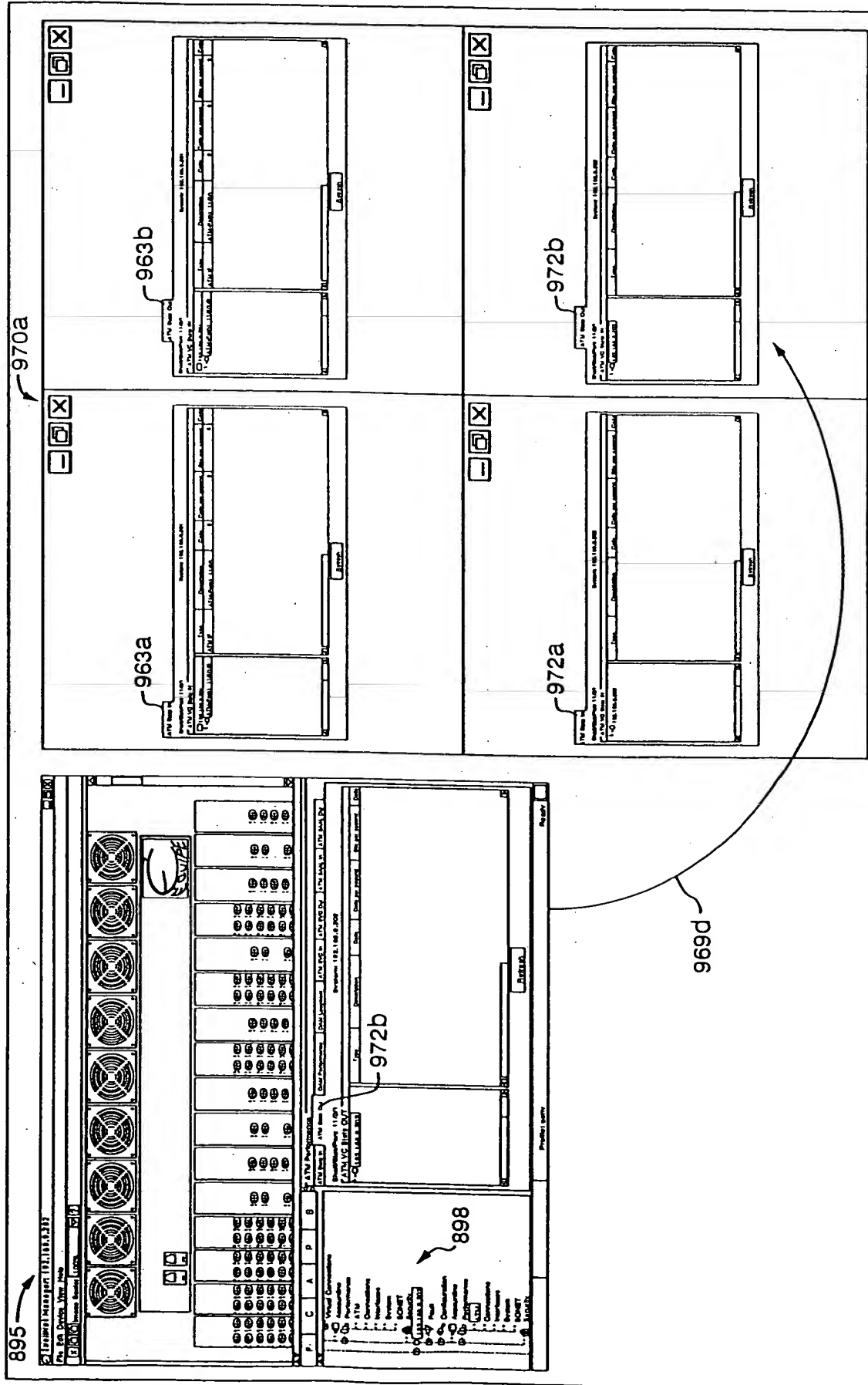


FIG. 9E

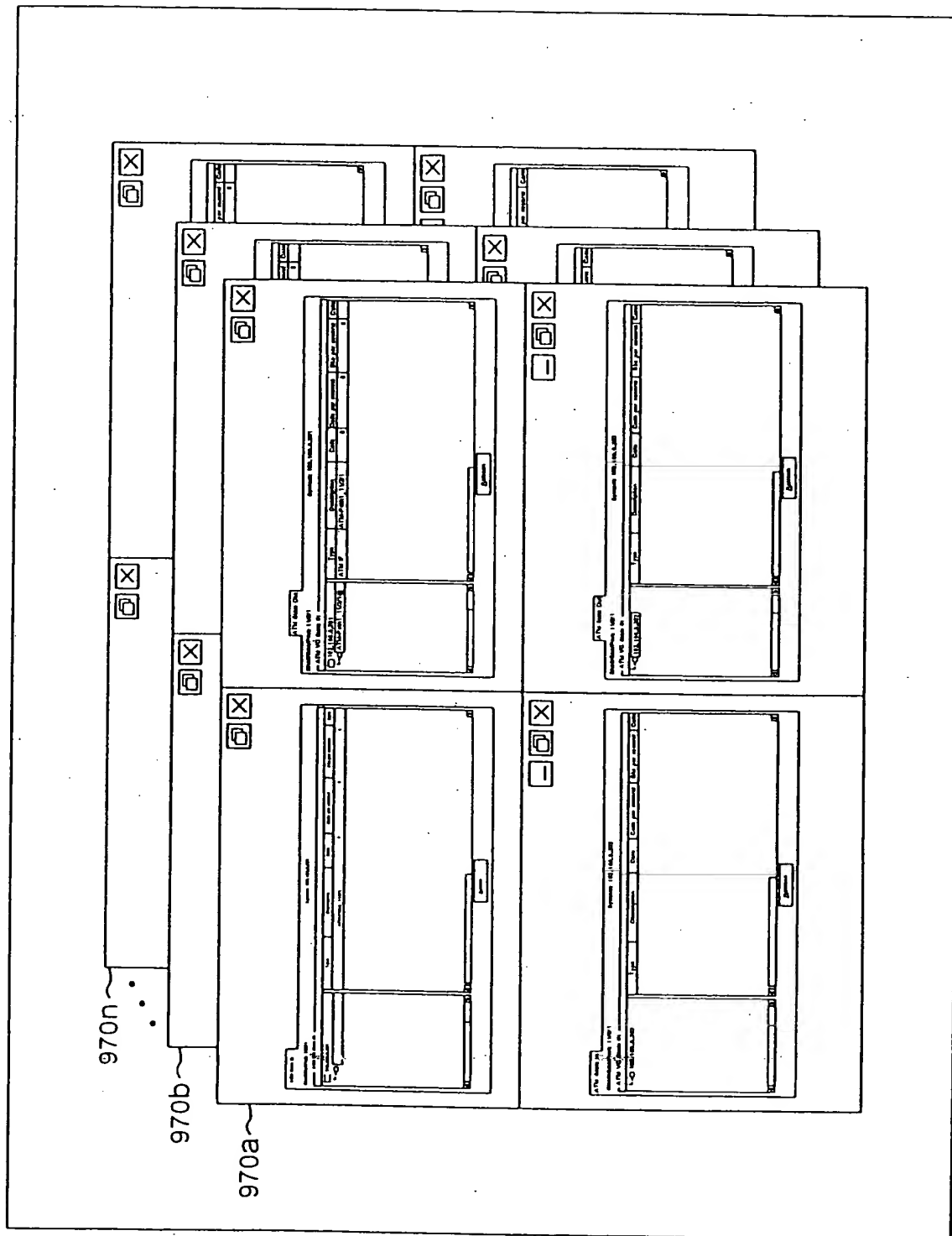


FIG. 9F

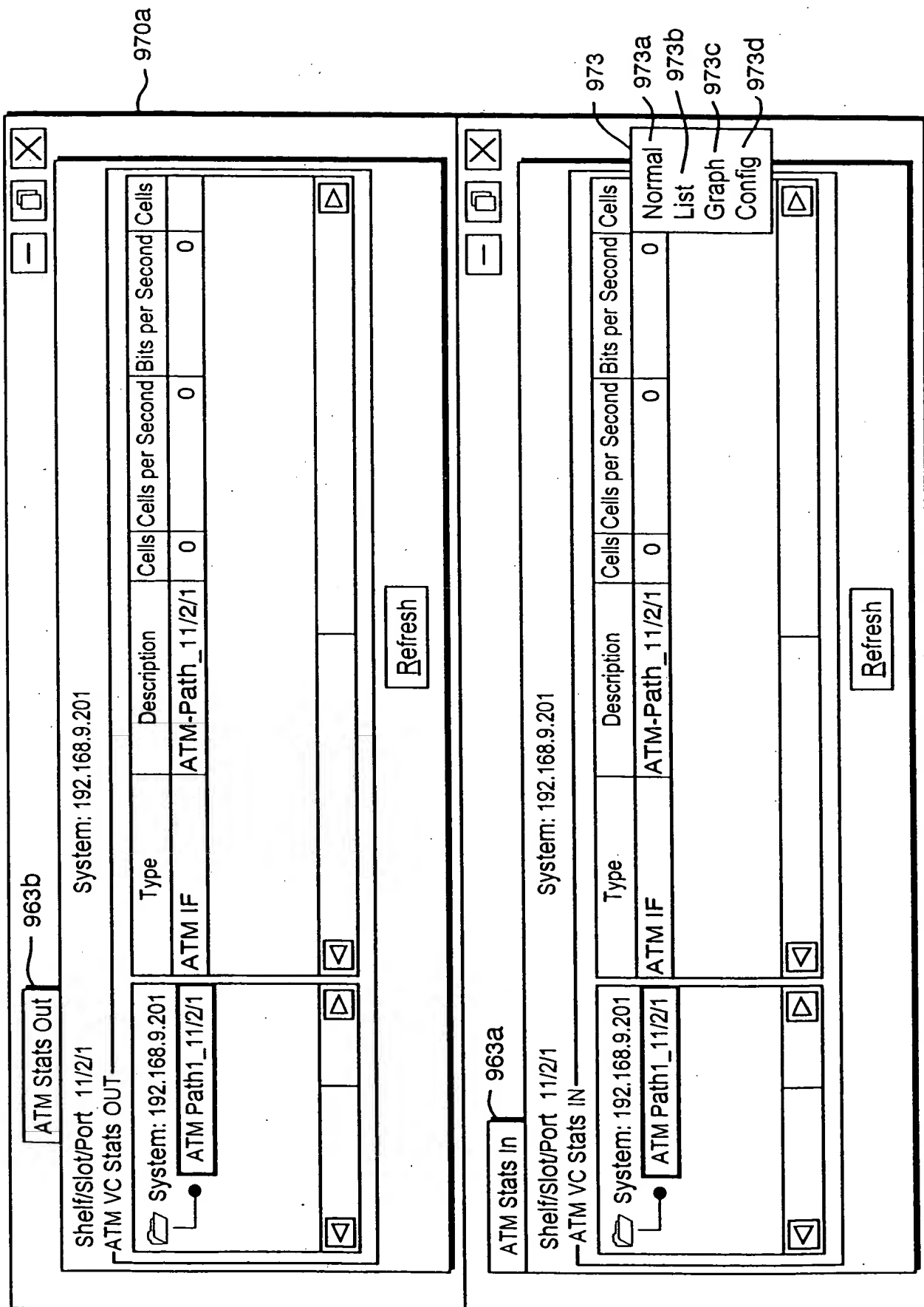


FIG. 9G

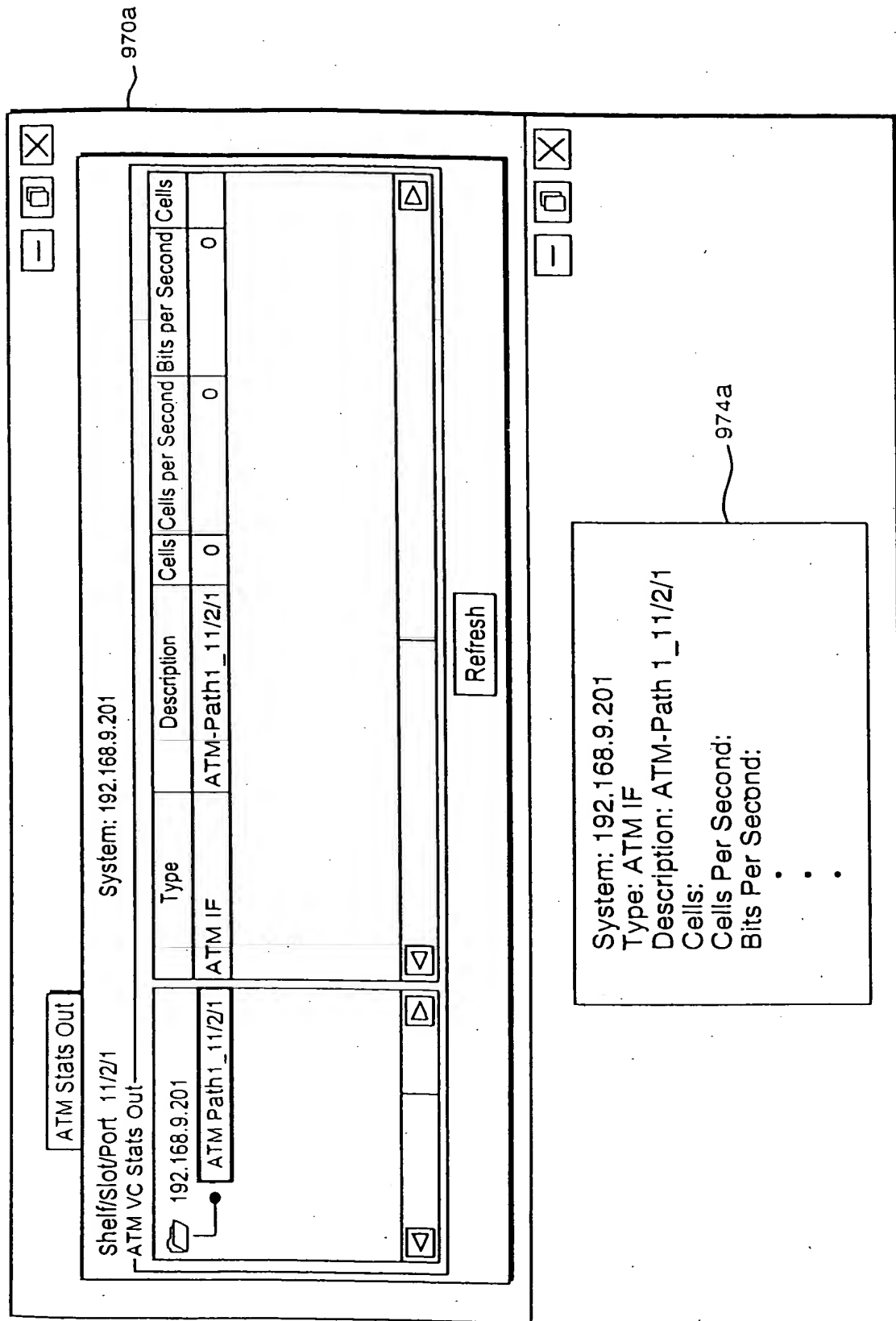


FIG. 9H

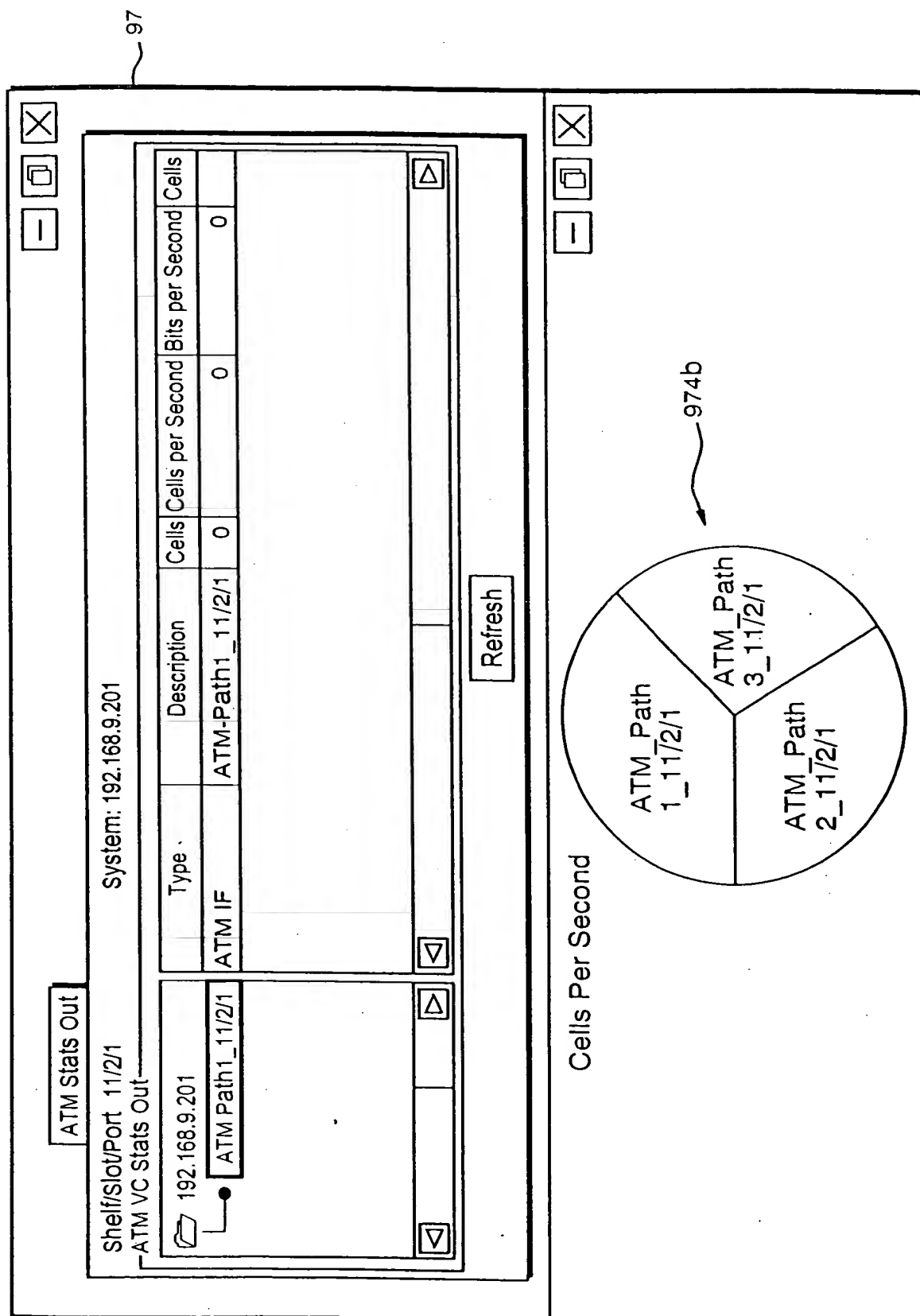
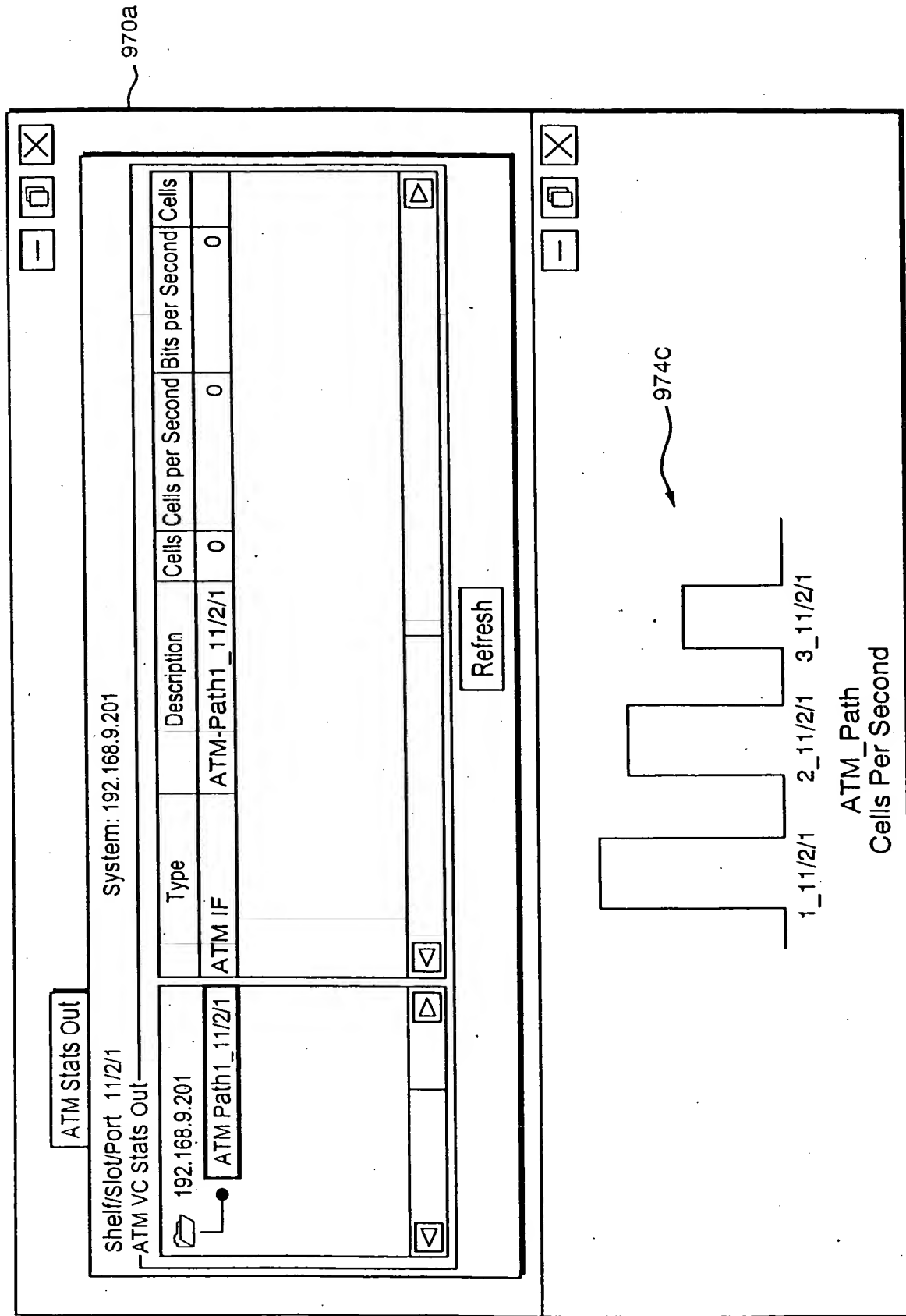


Fig. 91



ATM Stats Out

Shelf/Slot/Port 11/2/1System: 192.168.9.201

ATM VC Stats OUT

System: 192.168.9.201

ATM Path1_11/2/1

Type	Description	Calls	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

Refresh

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1Path Name: Path2_11/2/1

ATM Properties

Name	ATM-Path_11/2/1
Minimum VPI bits	1
Maximum VPI bits	8
Minimum VCI bits	5
Maximum VCI bits	16

OK

Cancel

FIG. 9K

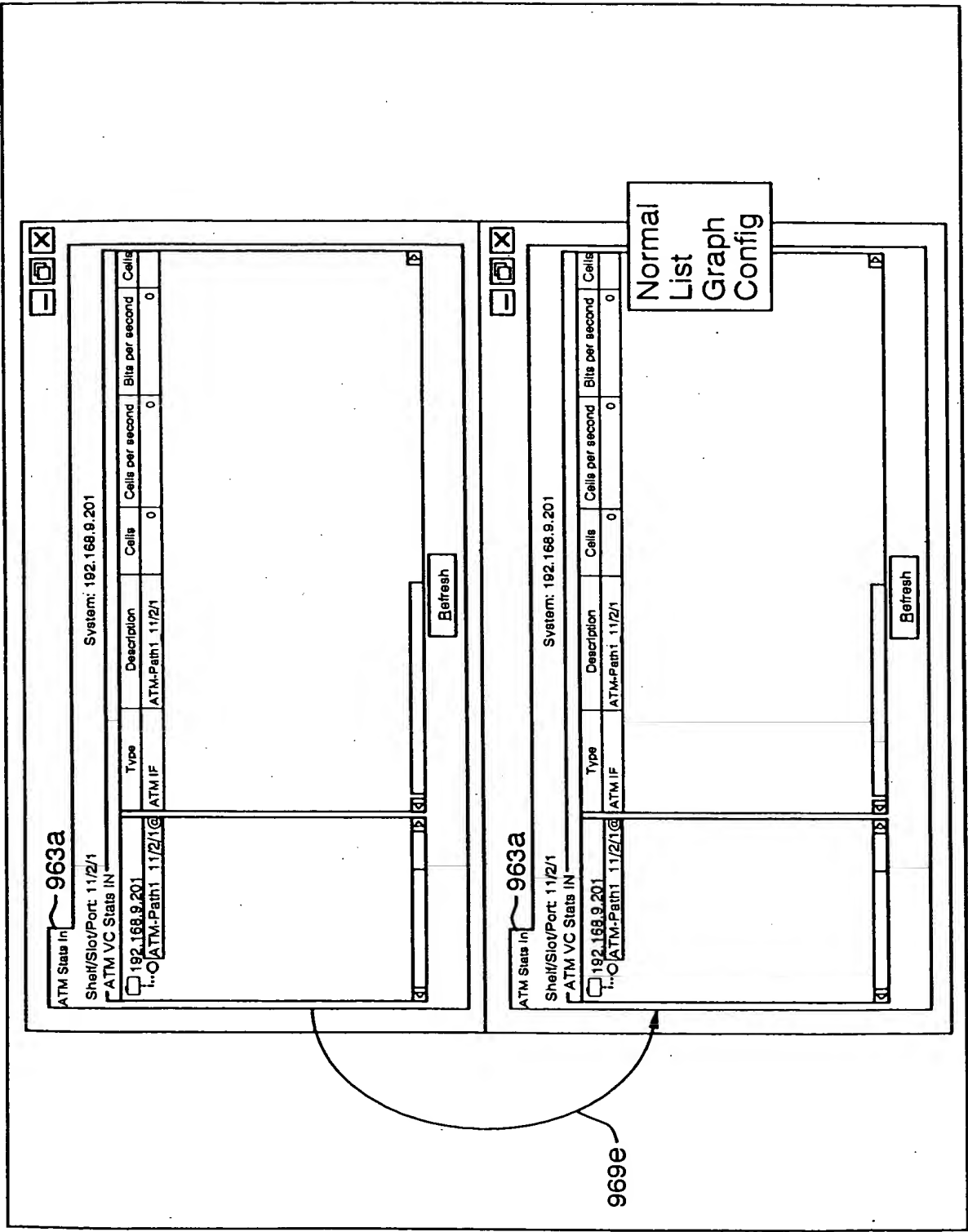


FIG. 9L

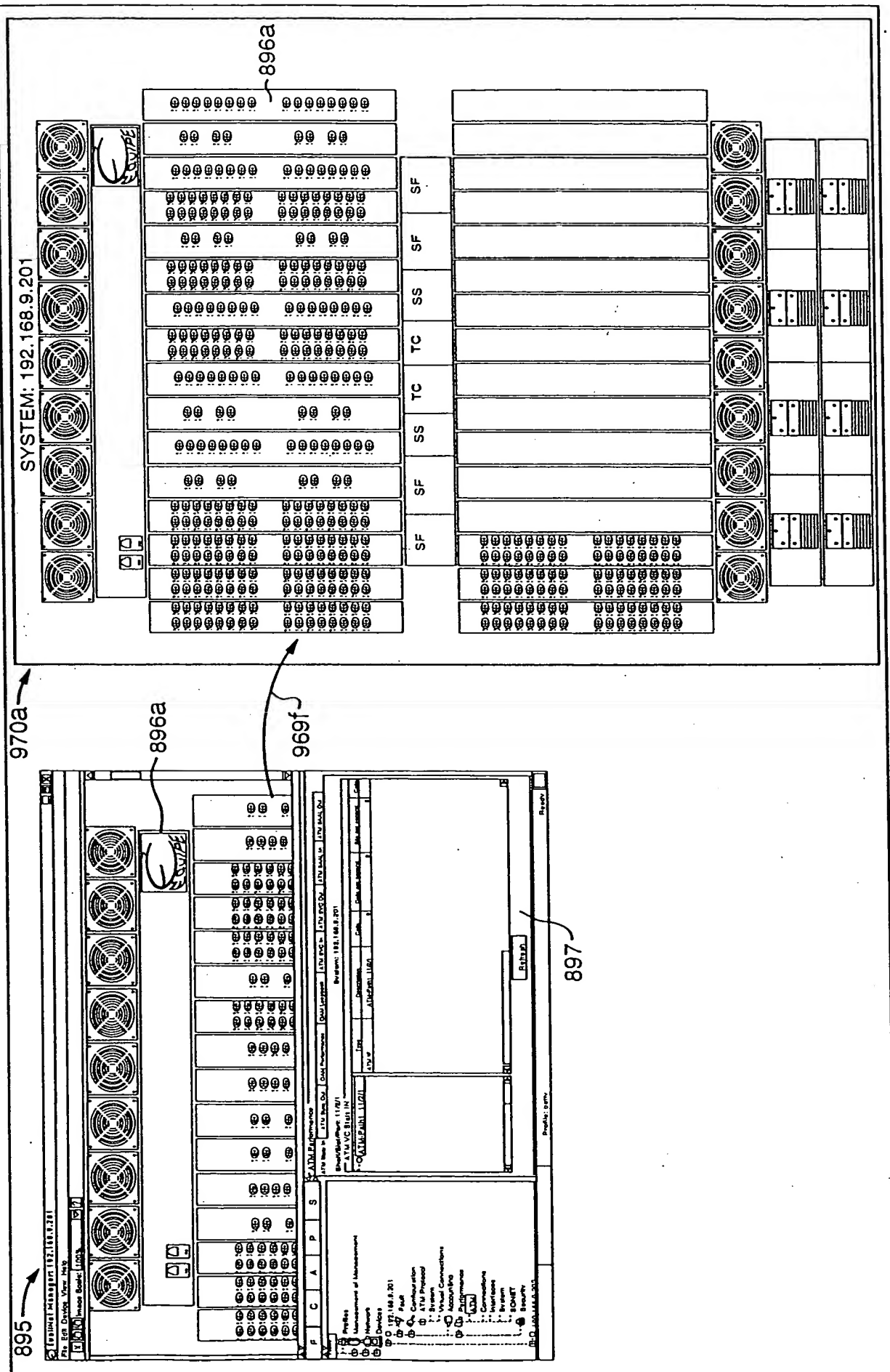


FIG. 9M

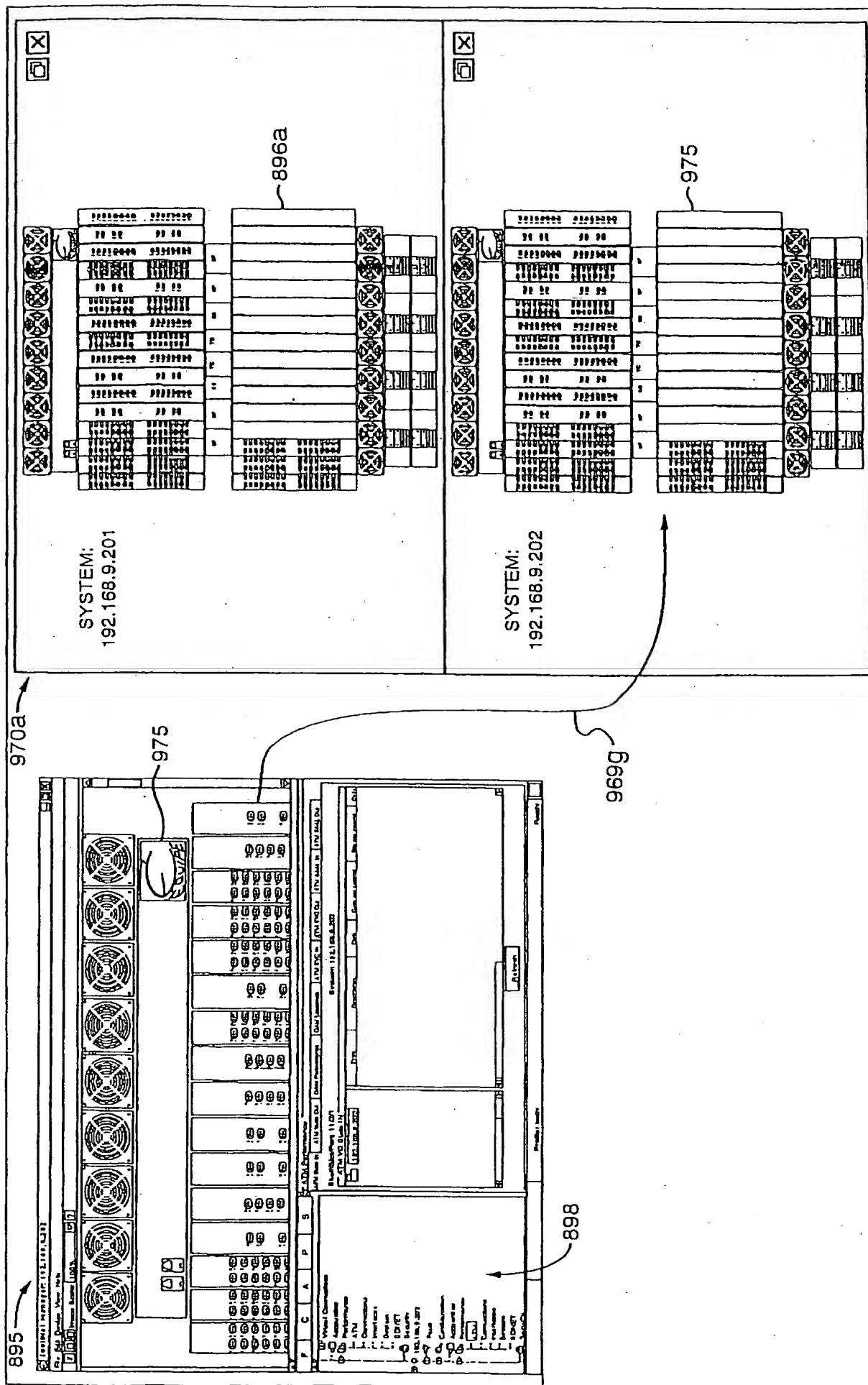
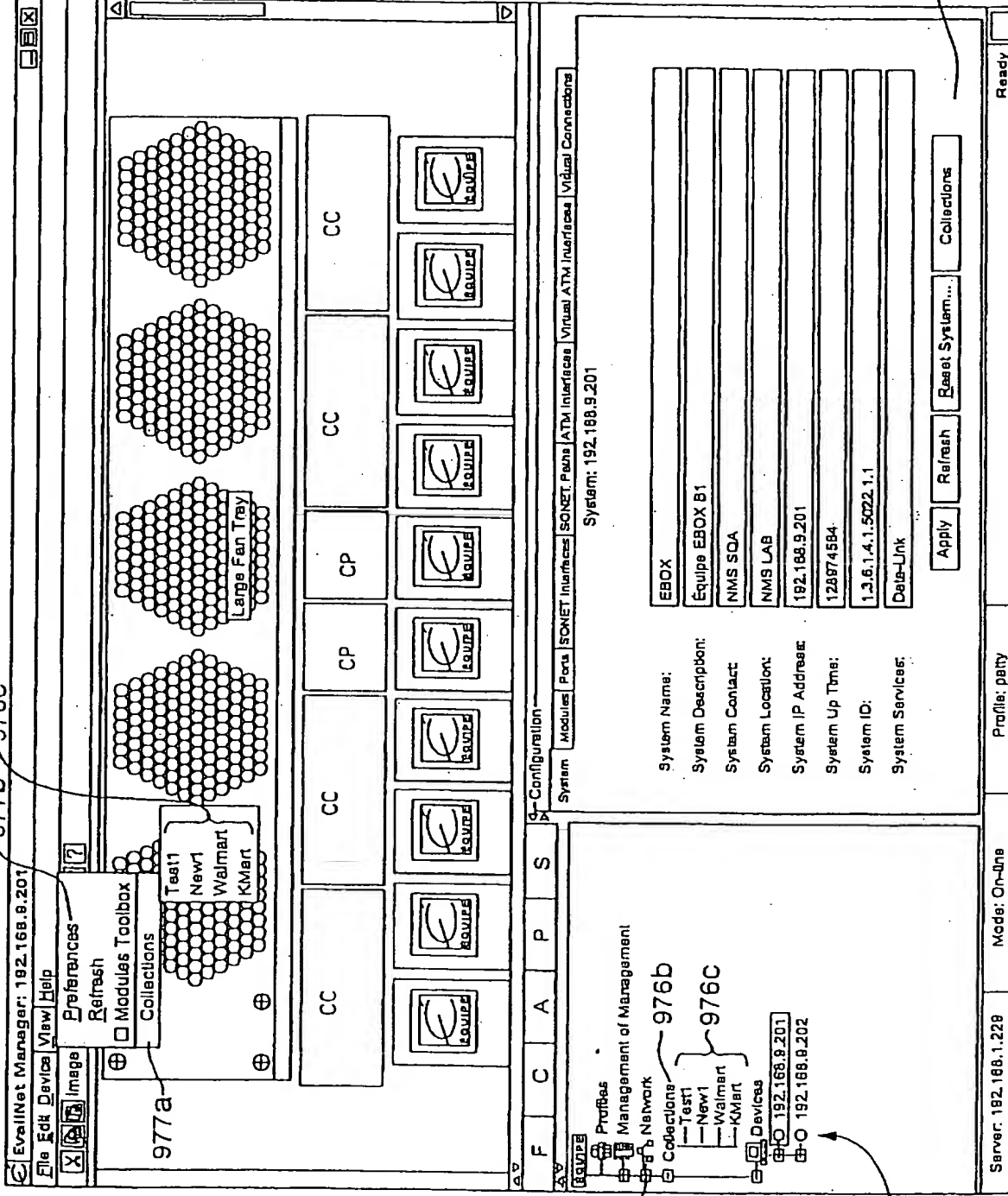


FIG. 9N

895

977b 976C



976a

898

897

FIG. 10A

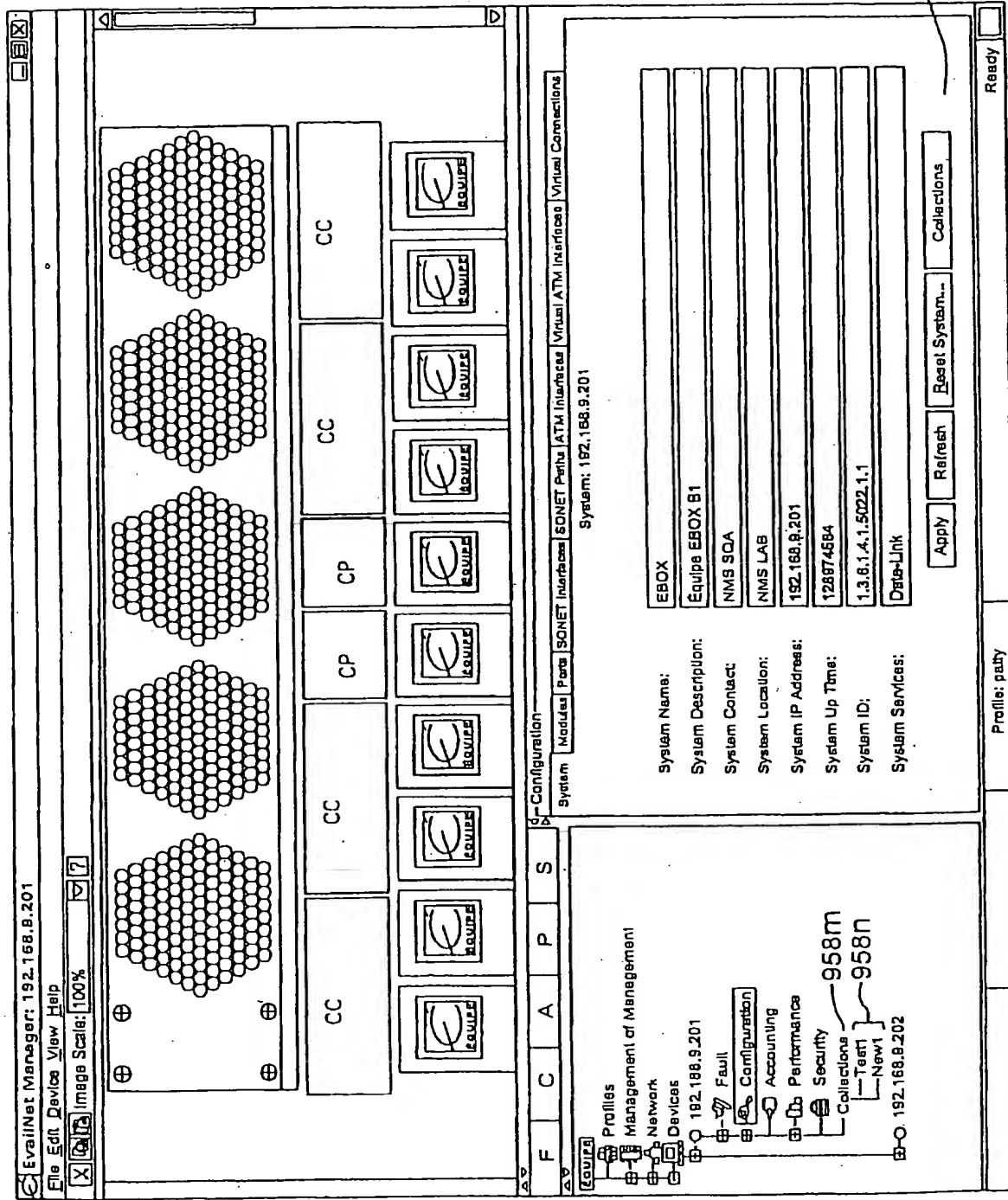


FIG. 10B

895

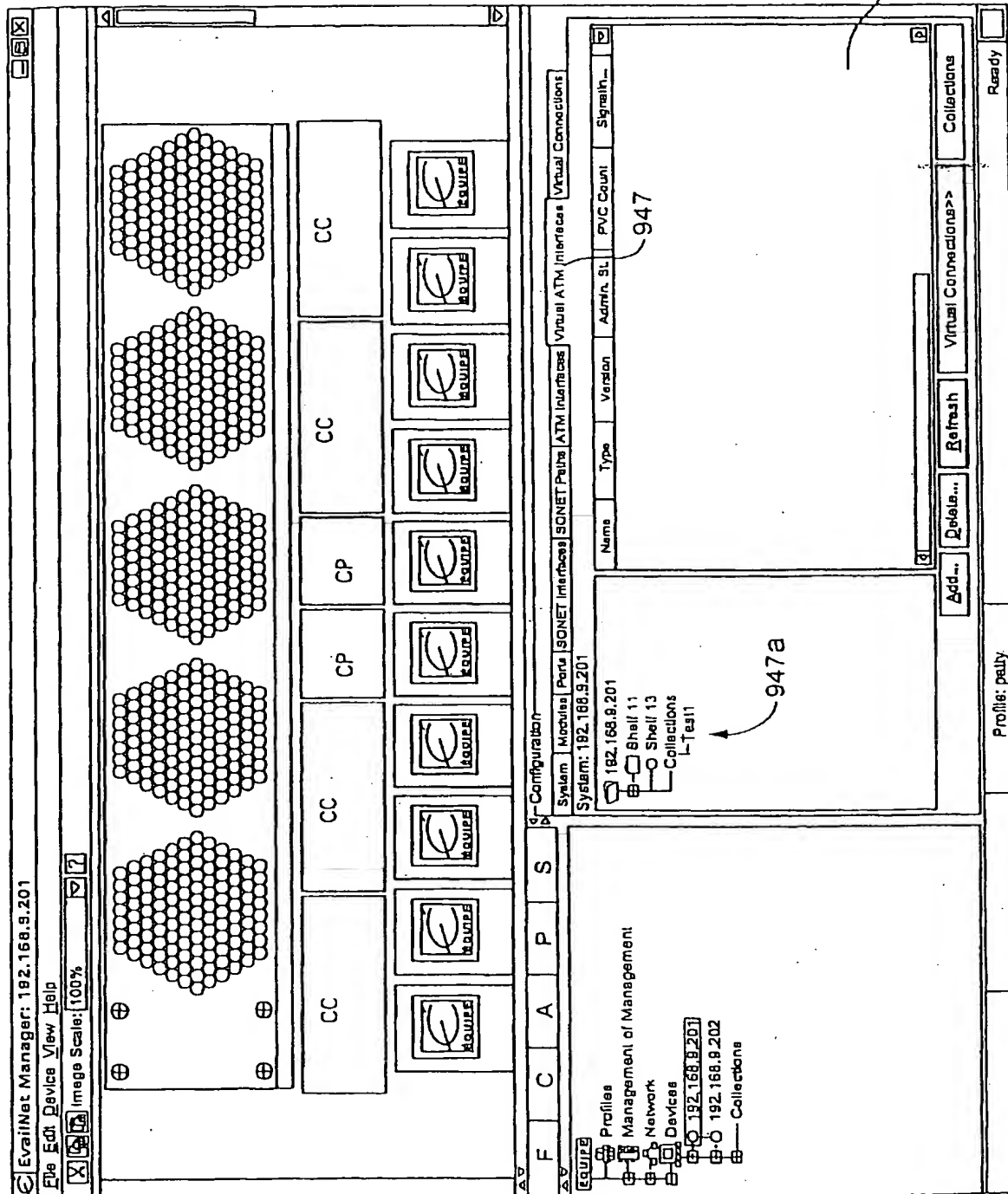


FIG. 10C

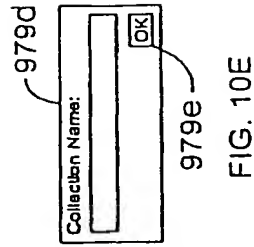
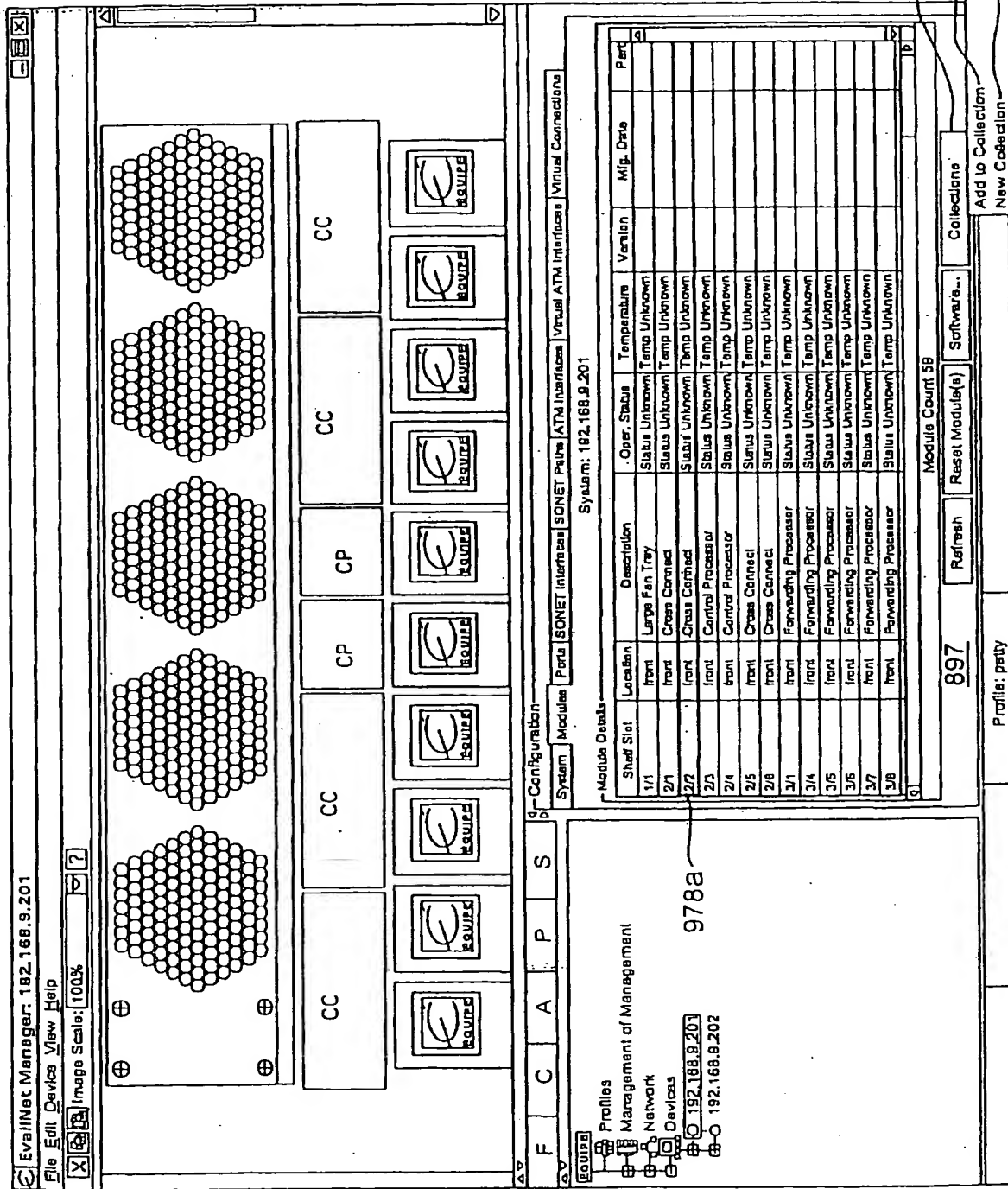


FIG. 10E

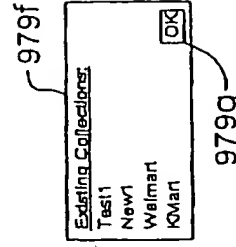


FIG. 10F

895

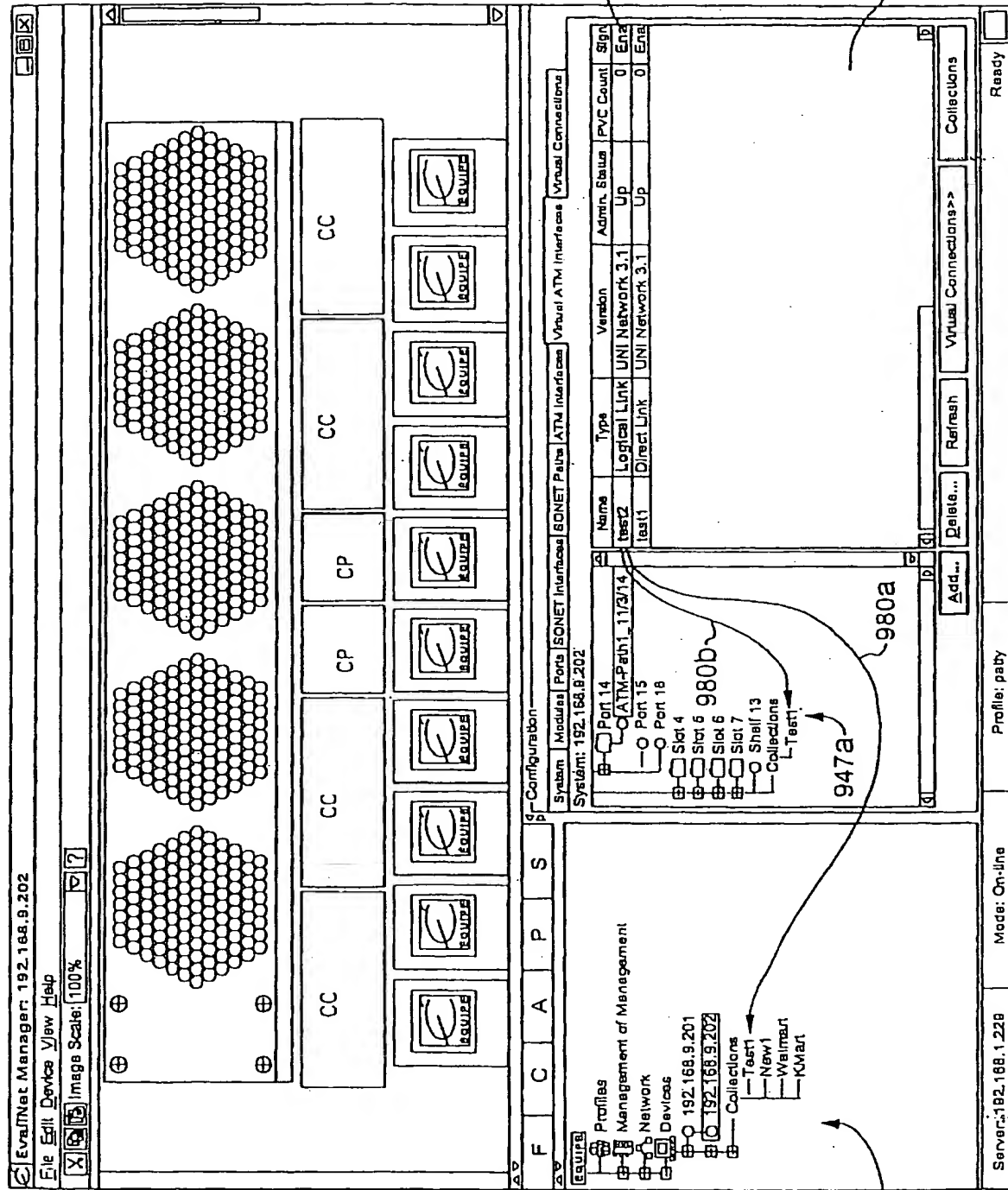


FIG. 10G

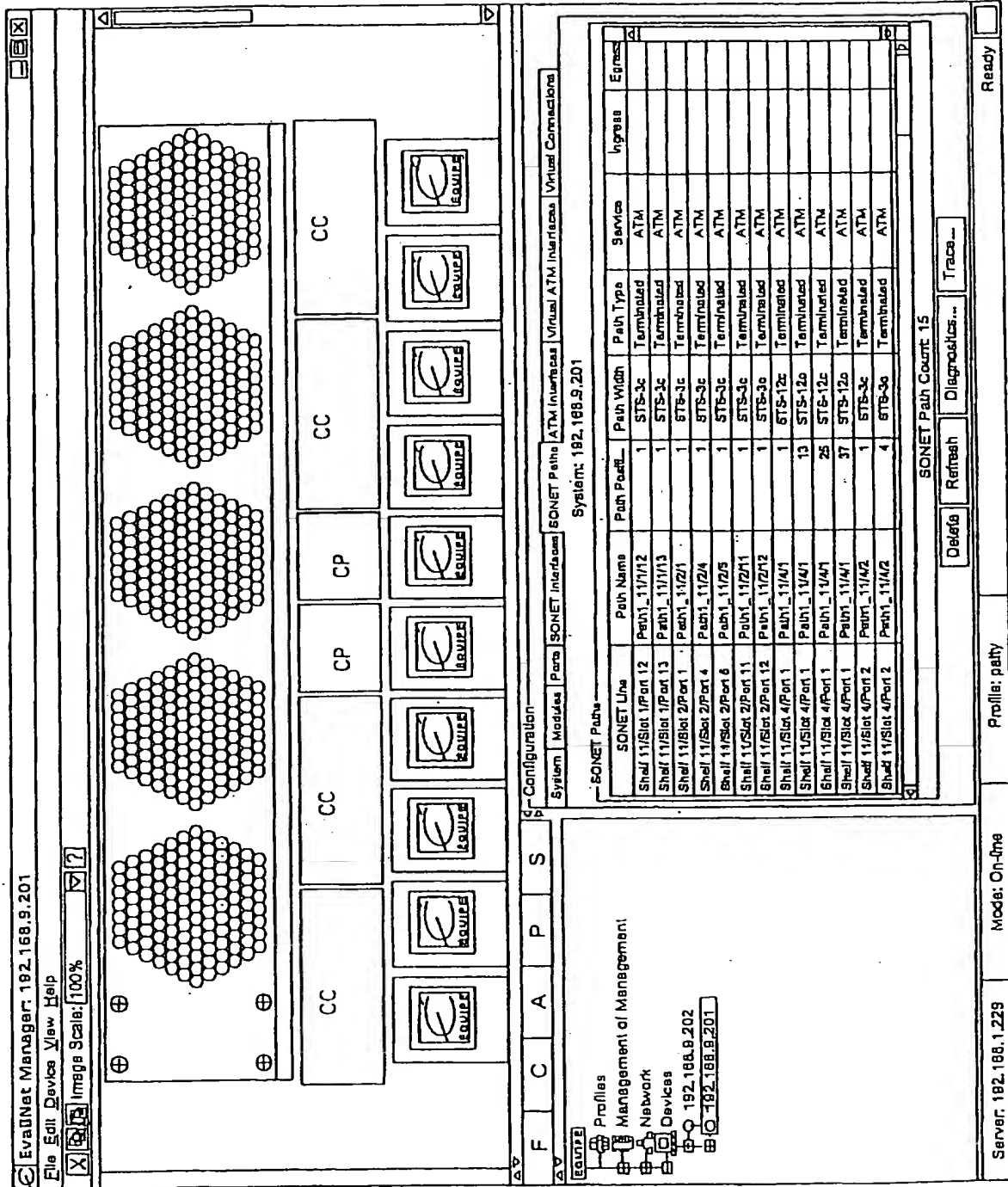


FIG. 10H

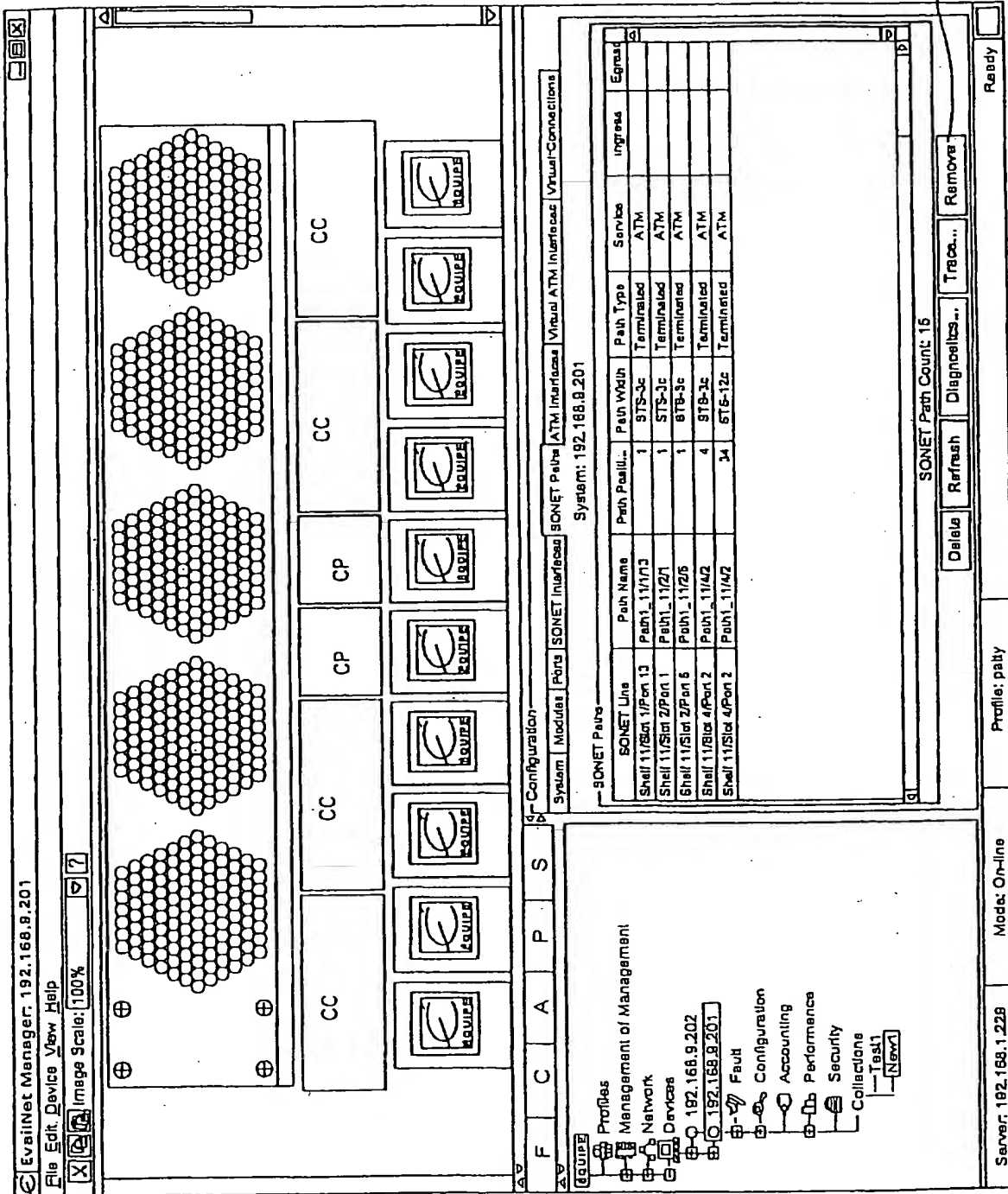


FIG. 101

903

Profiles

System: 192.132.60.150

Profile Manager

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Developers 908j

User Session Timeout: 15 908k Minutes

TO
FIG. 11B CONTINUED

FIG. 11B

FIG. 11B CONT.

Servers

Primary Server:

192.168.1.220

6500

192.168.1.221

6503

Primary Server Port:

Secondary Server:

Secondary Server Port:

Devices

Device	READ	READWRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

Add

Delete

908g

908p

908q

908r

908s

908l

908n

908m

908o

908t

OK

Cancel

FIG. 11B

General

Policies

Servers

Devices

Username:

Kevin

Description:

Kevin Snow user account

Customer Name:

Equipe

Group Level Access:

▽

Password:

Confirm Password:

908t

OK

Cancel

FIG. 11C

General

Policies

Servers

Devices

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t

OK

Cancel

FIG. 11 D

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

FIG. 11E

General

Policies

Servers

Devices

Username:

Description:

Customer Name:

Group Level Access:

Password:

Confirm Password:

Kevin

Kevin Snow user account

Equipe

908t

OK

Cancel

FIG. 11F

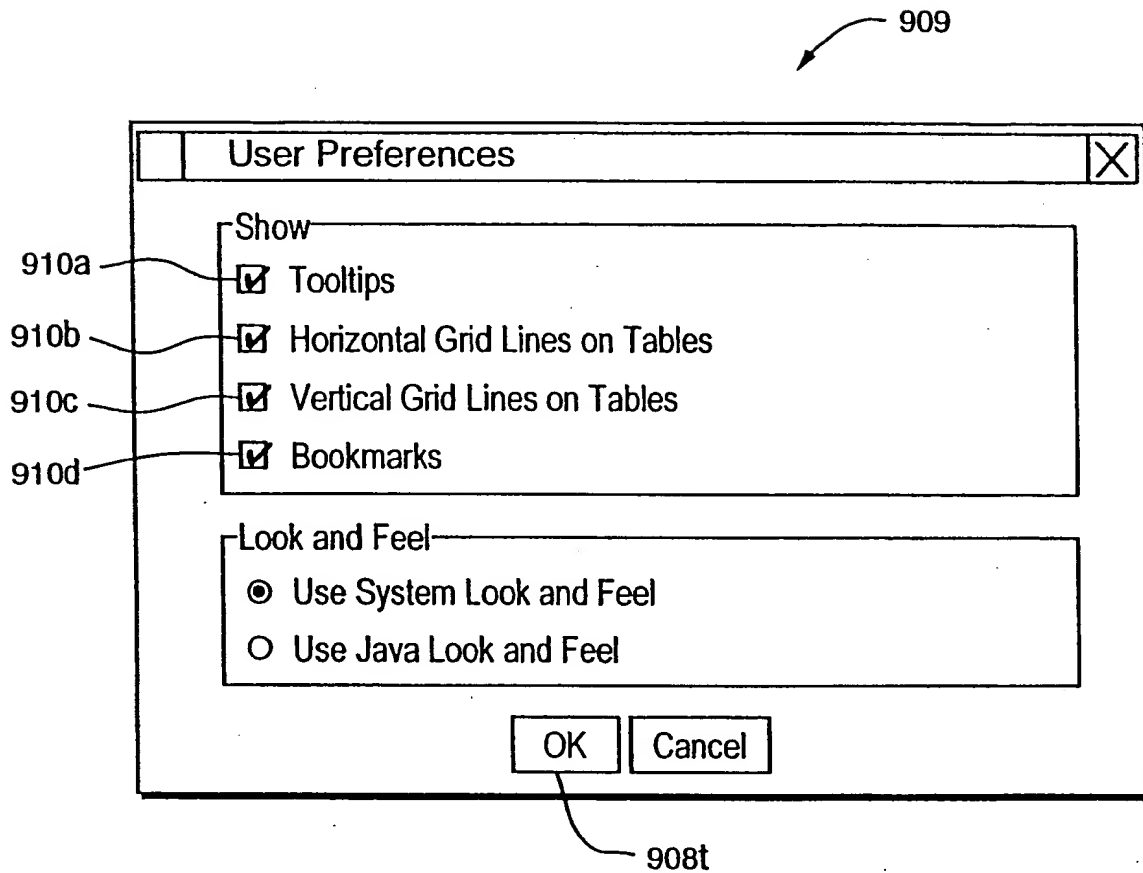


FIG. 11G

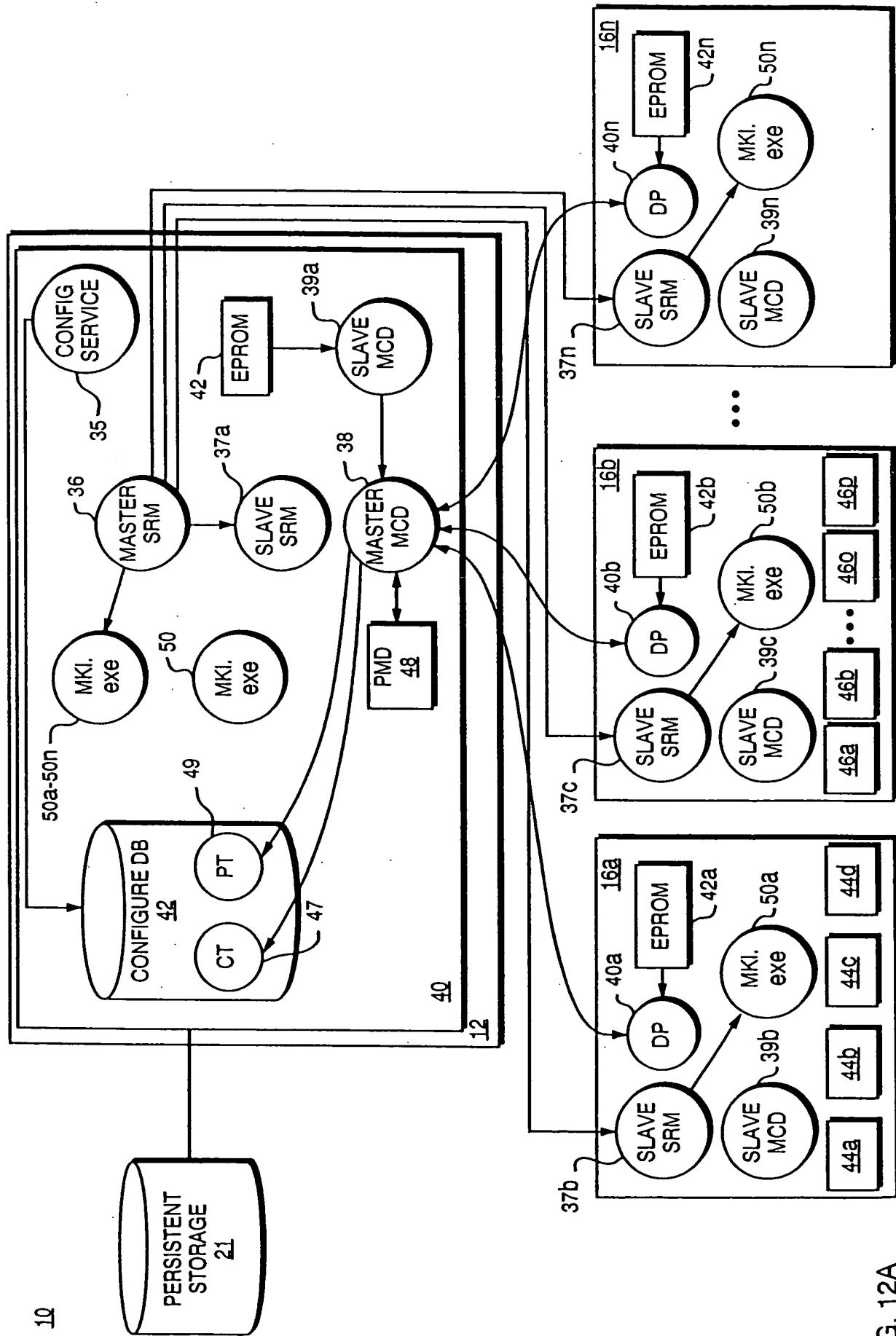


FIG. 12A

CARD TABLE

47
↓

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE

49



	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

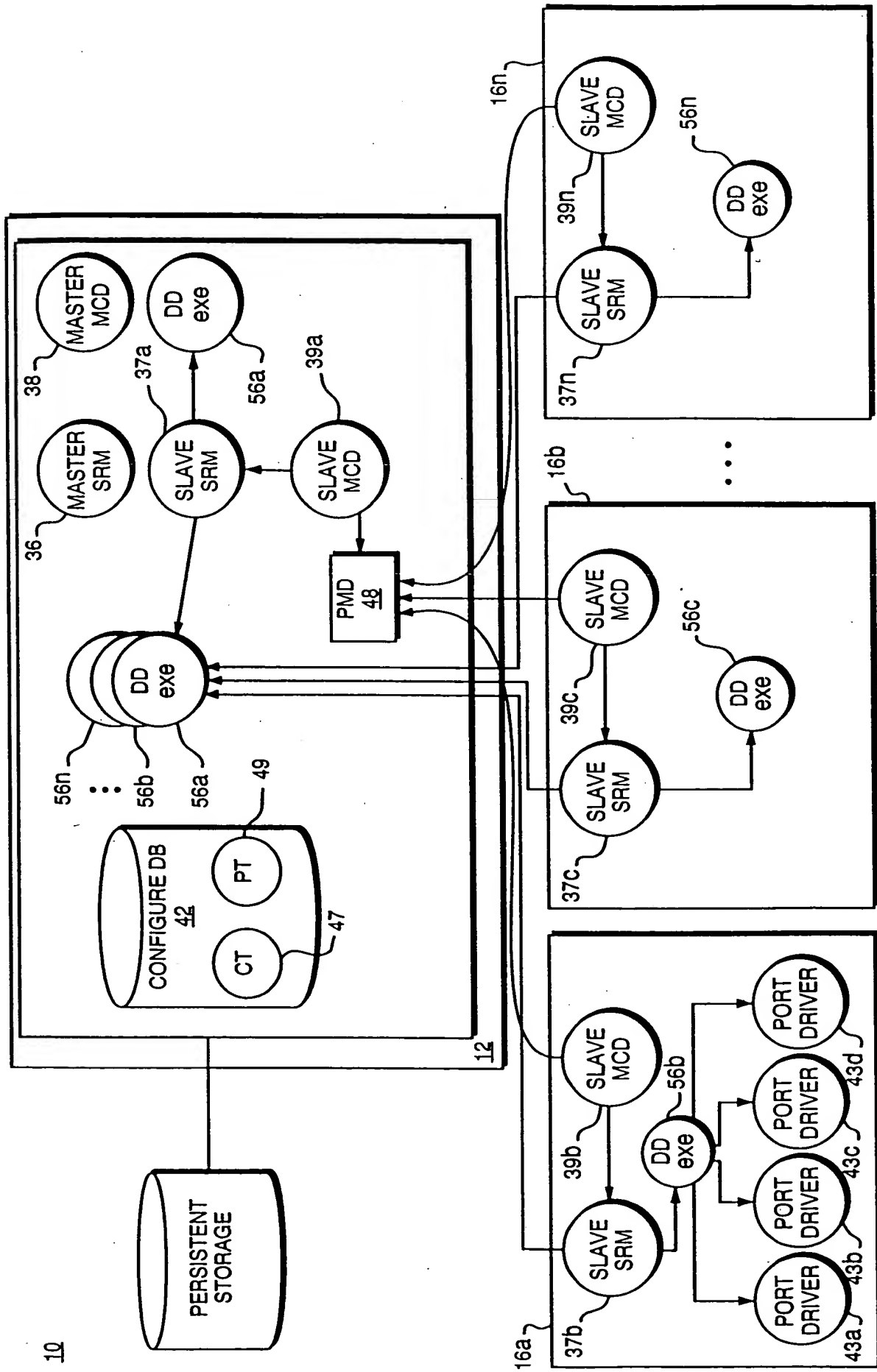


FIG. 13A

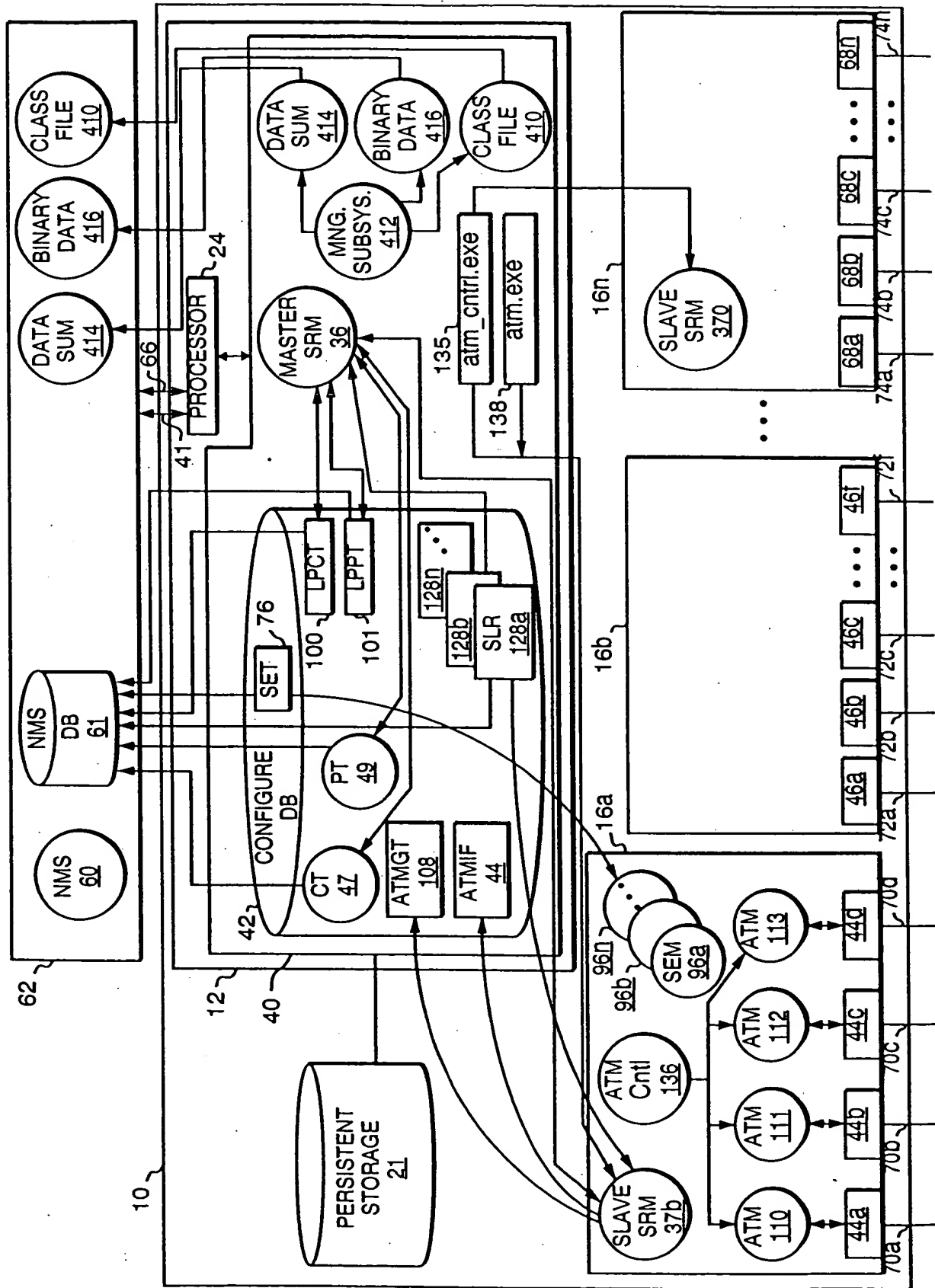


FIG. 13B

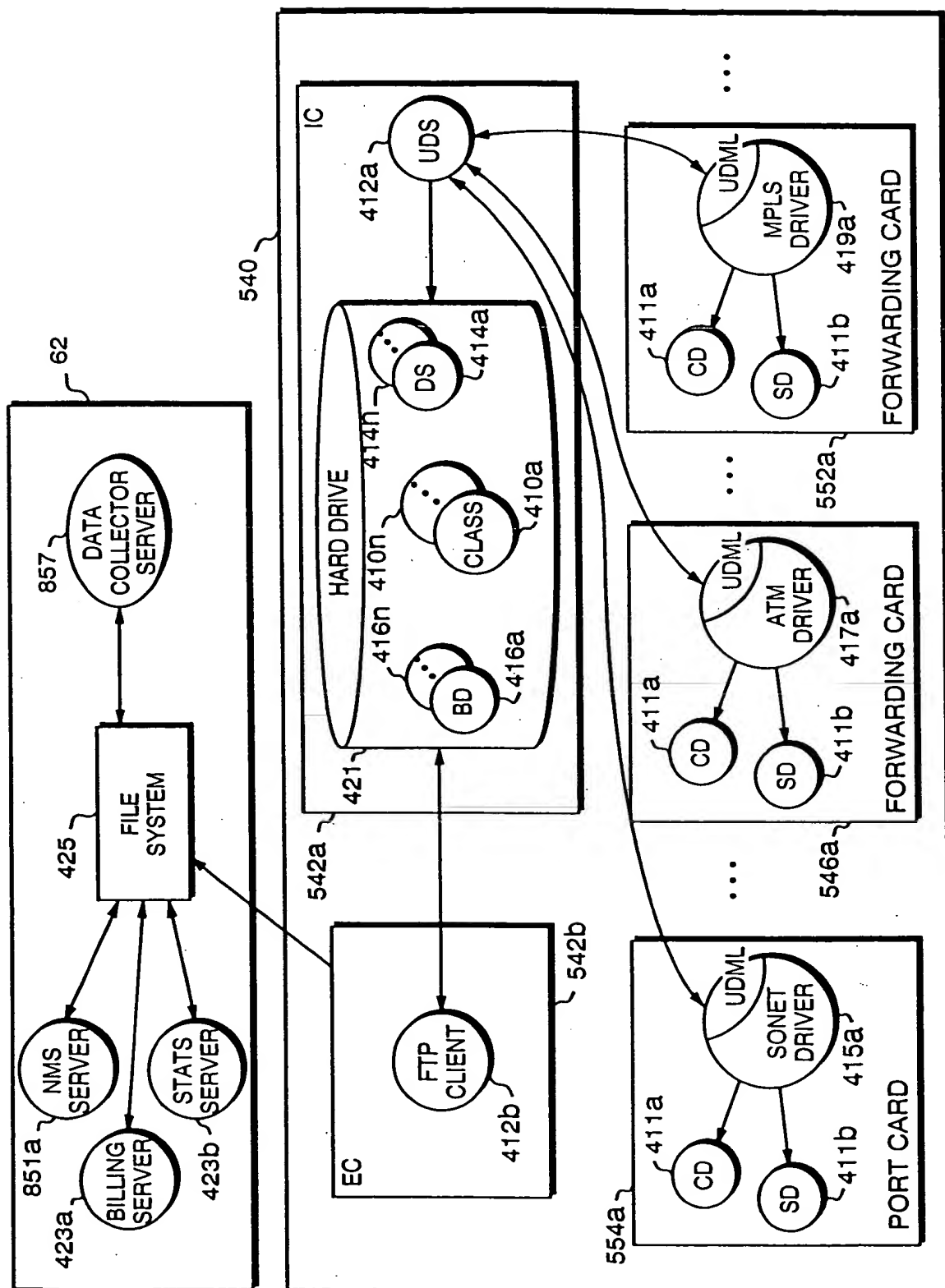


FIG. 13C

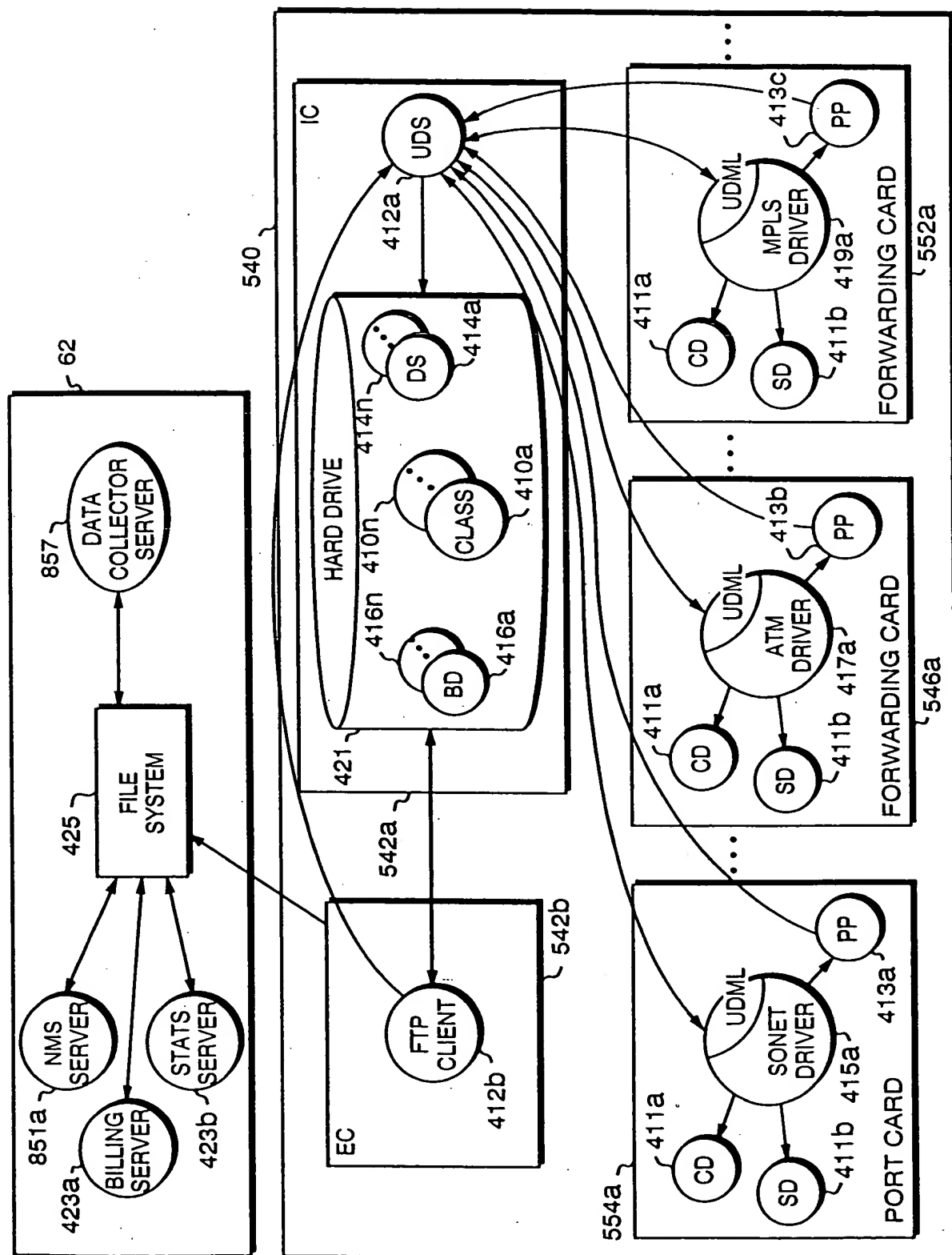


FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	.	.
	.	.
	.	.

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	.	.	.
	.	.	.
	.	.	.

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	.	.	.
	.	.	.
	.	.	.

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
.	.	.	.
.	.	.	.
.	.	.	.
12	3	10	
.	.	.	.
.	.	.	.

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

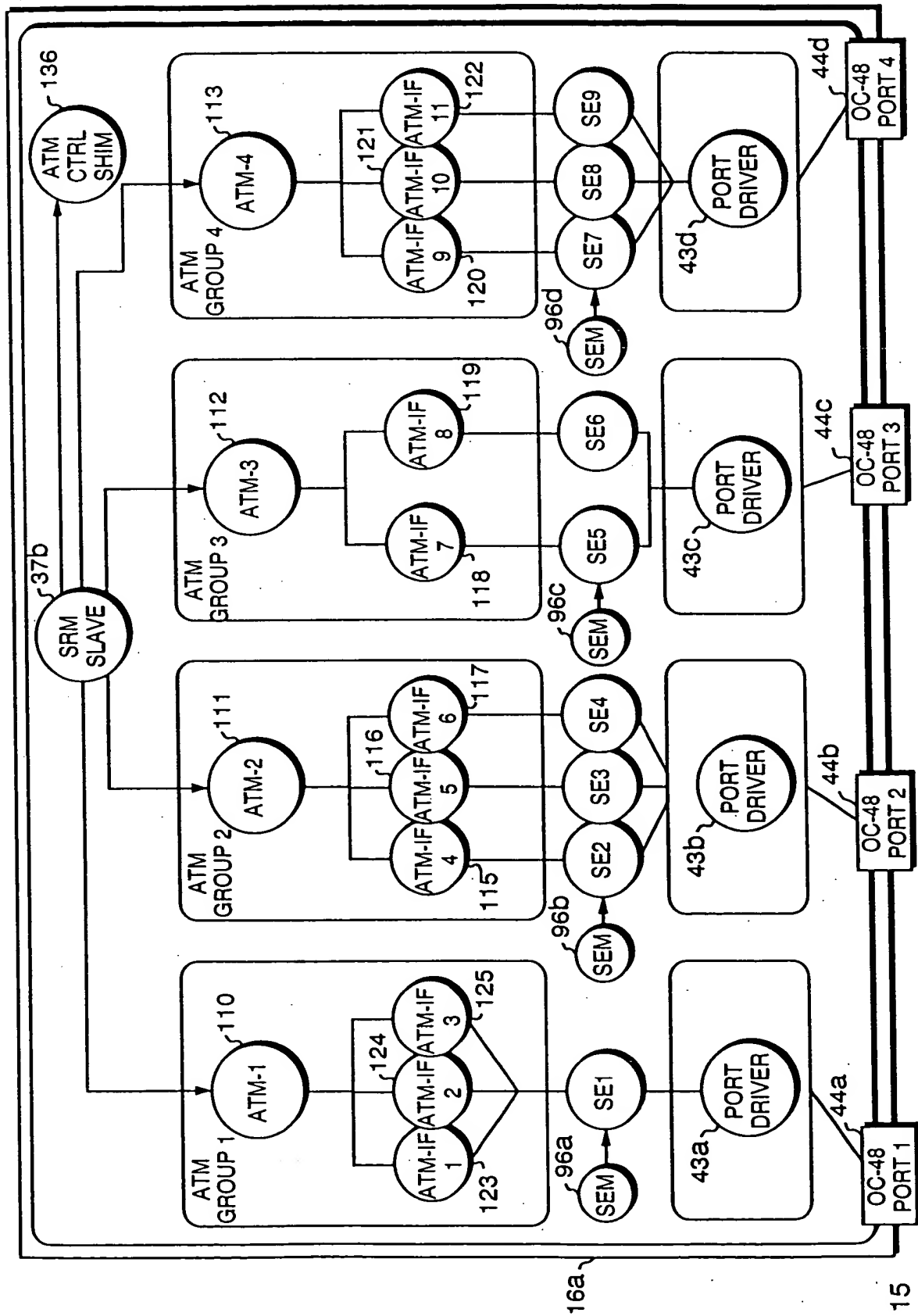


FIG. 15

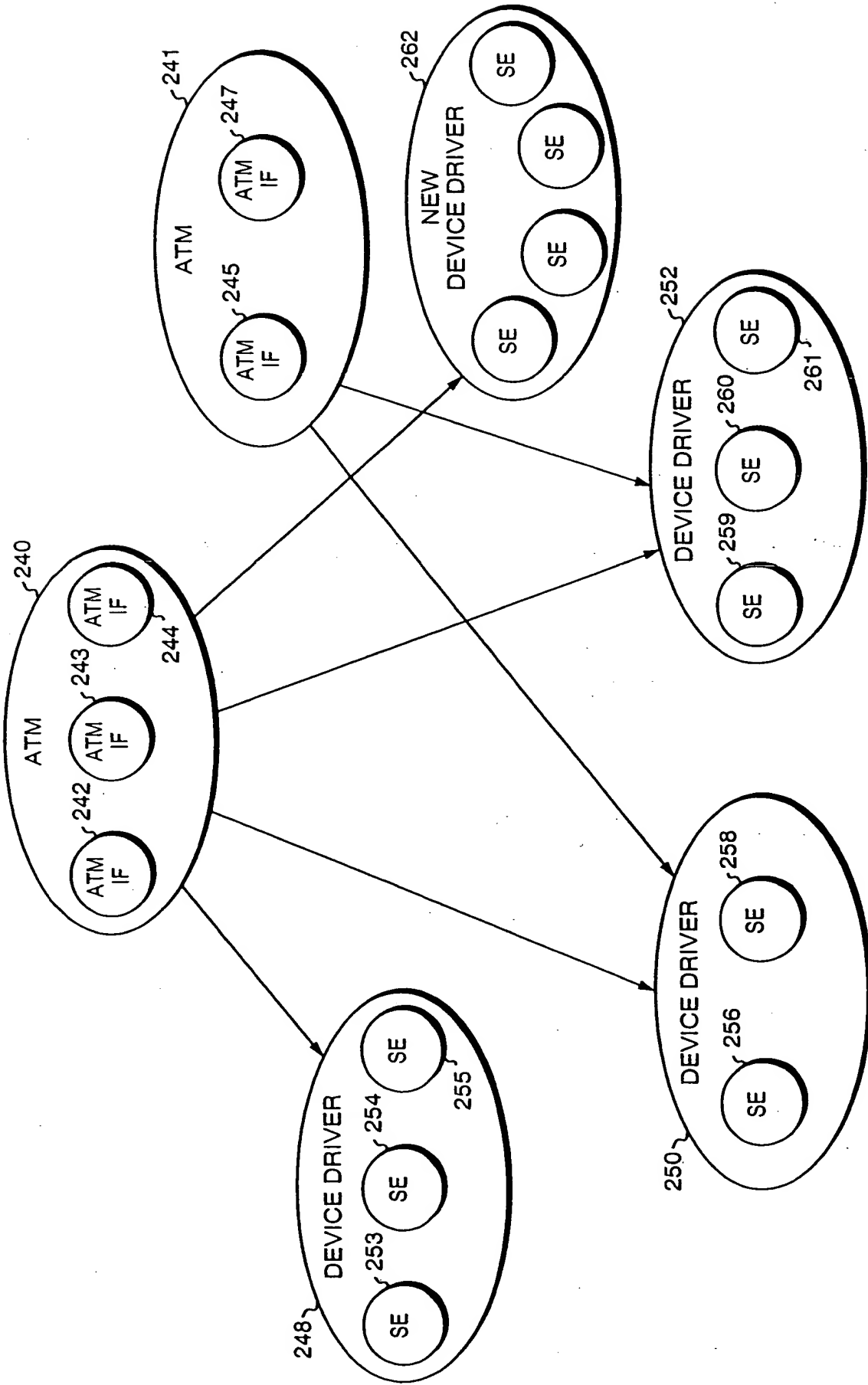


FIG. 16A

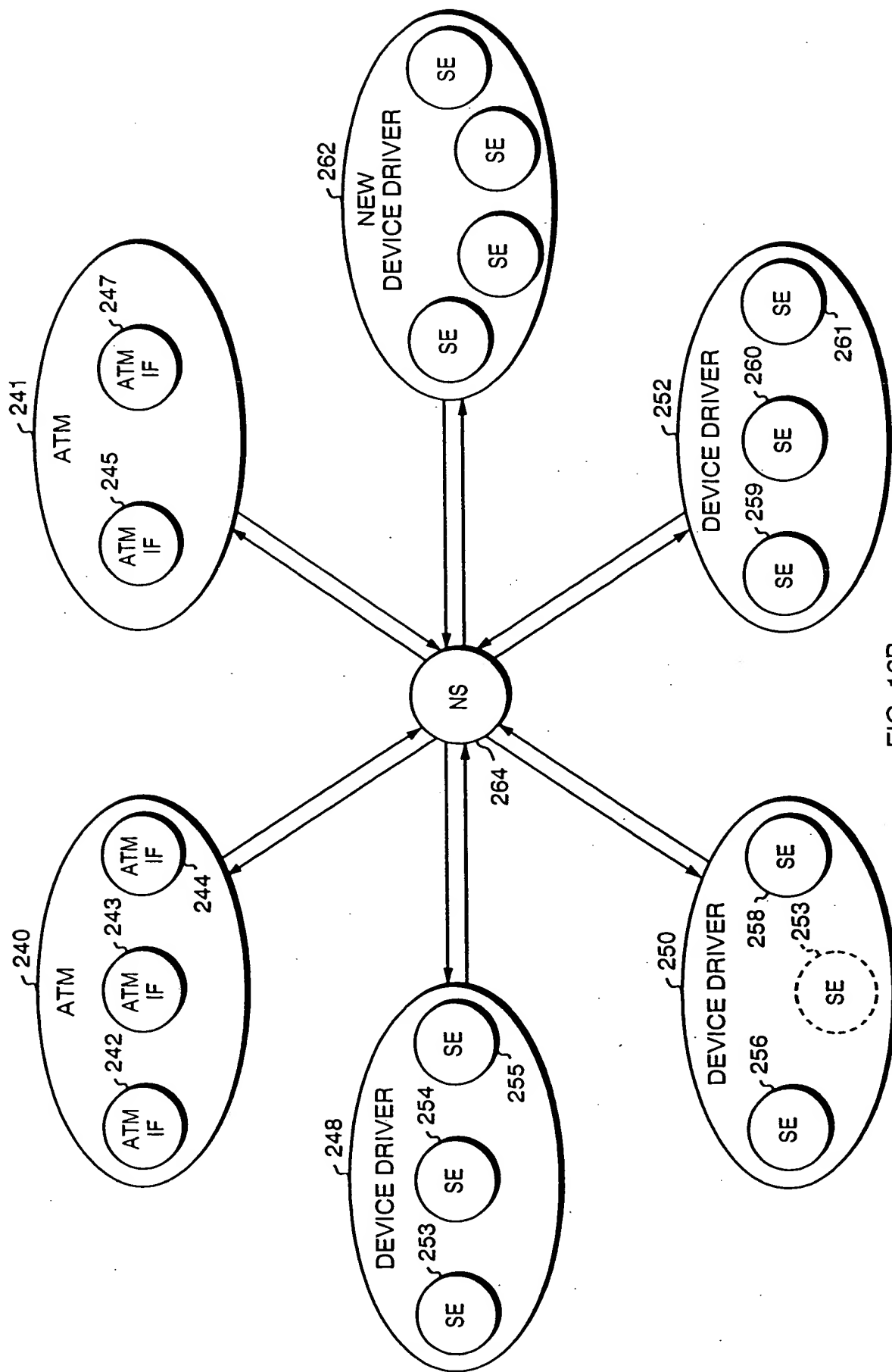


FIG. 16B

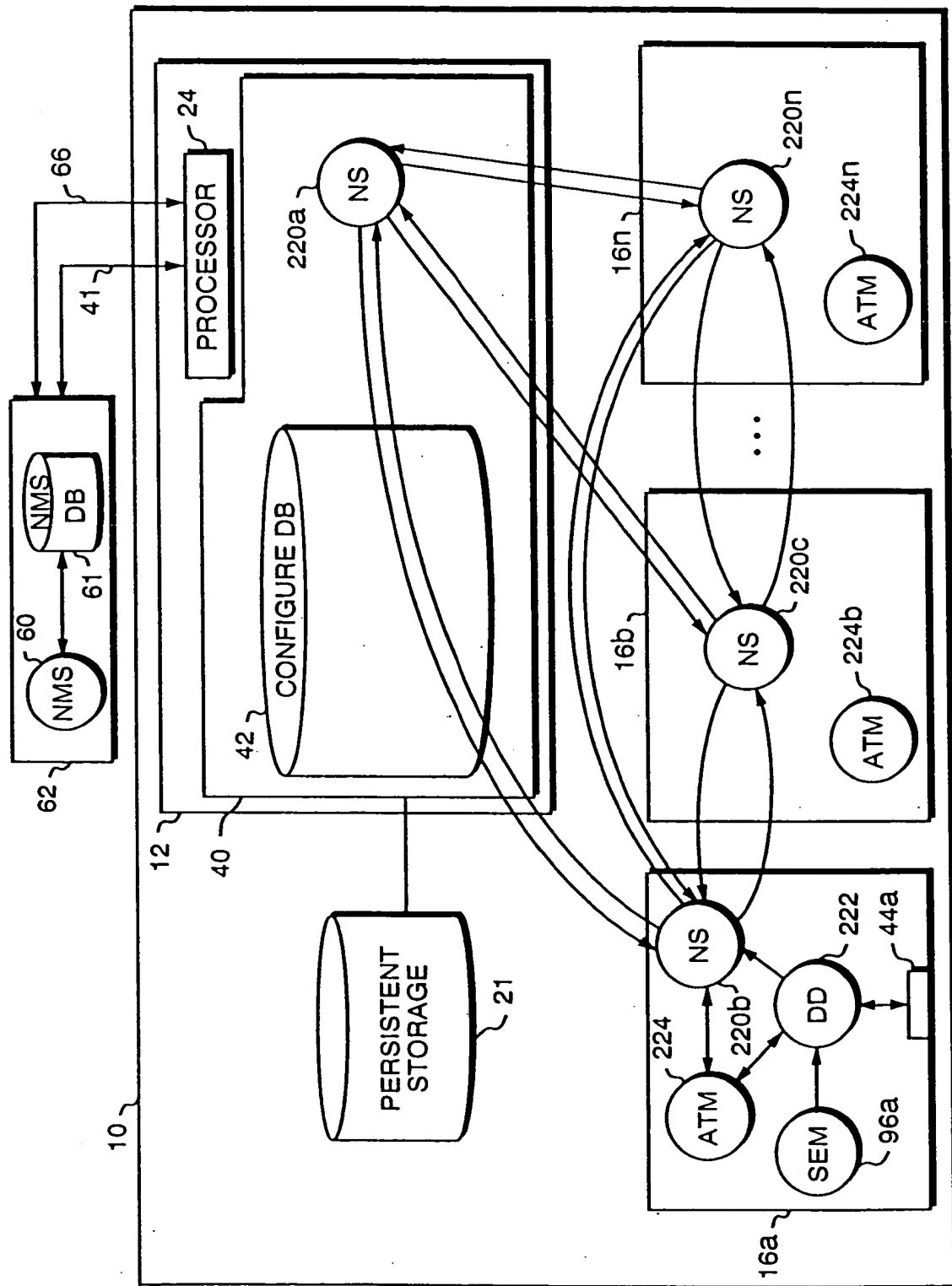


FIG. 16C

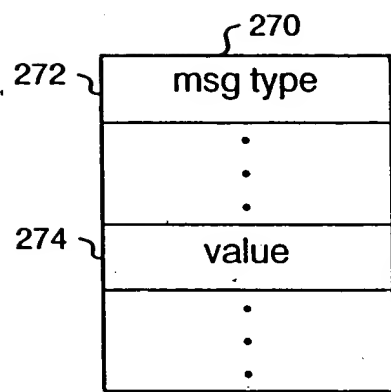


FIG. 16D

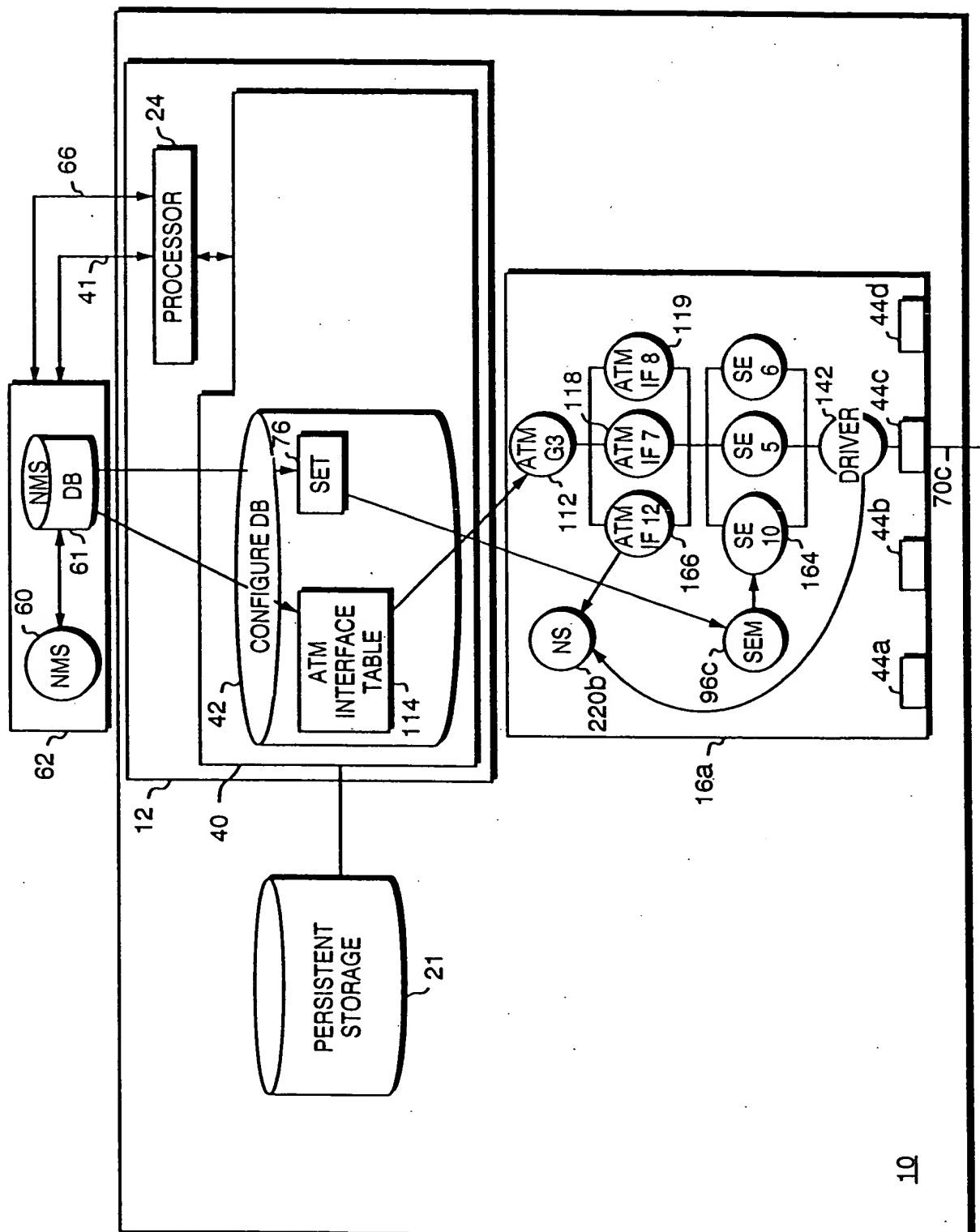


FIG. 17

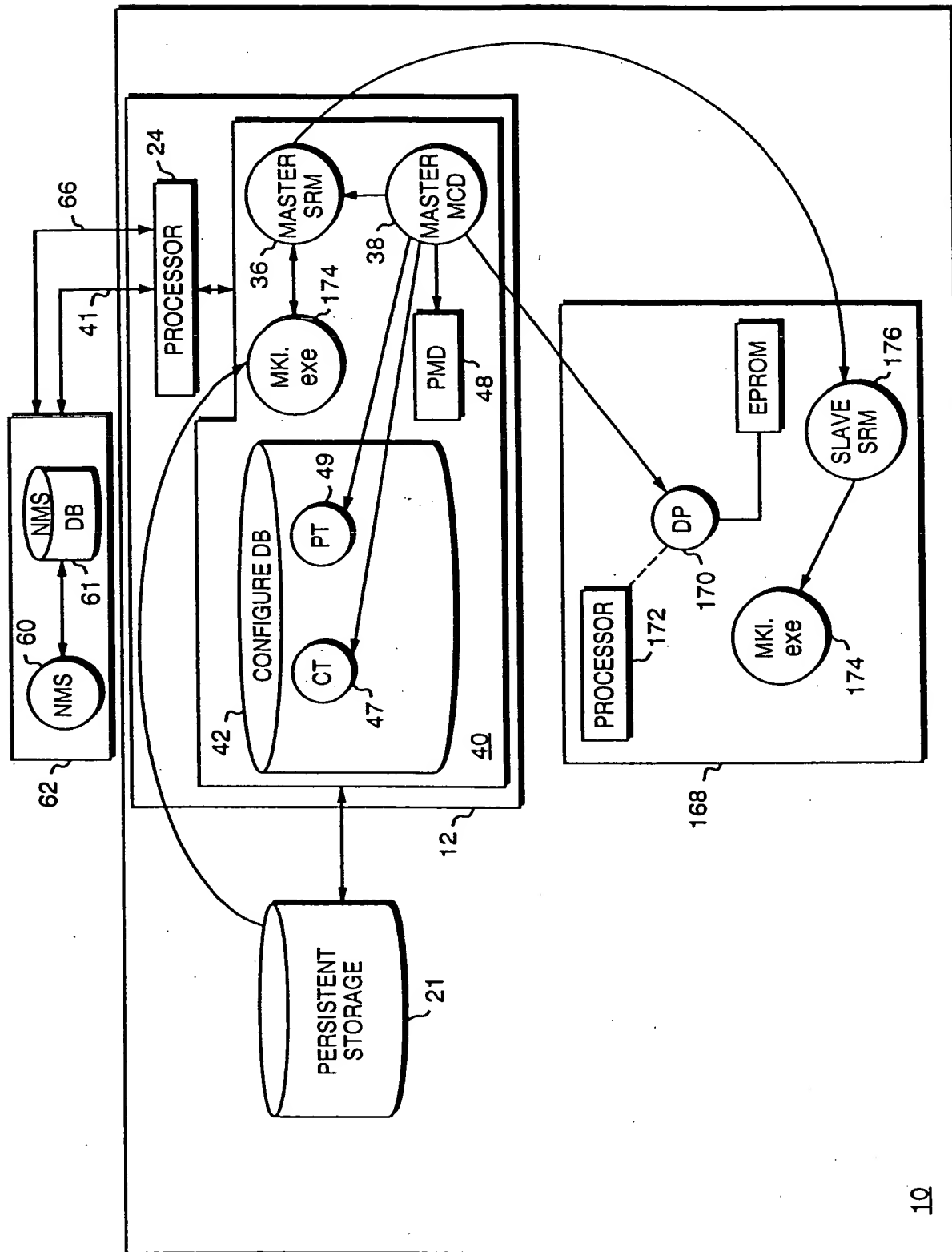


FIG. 18

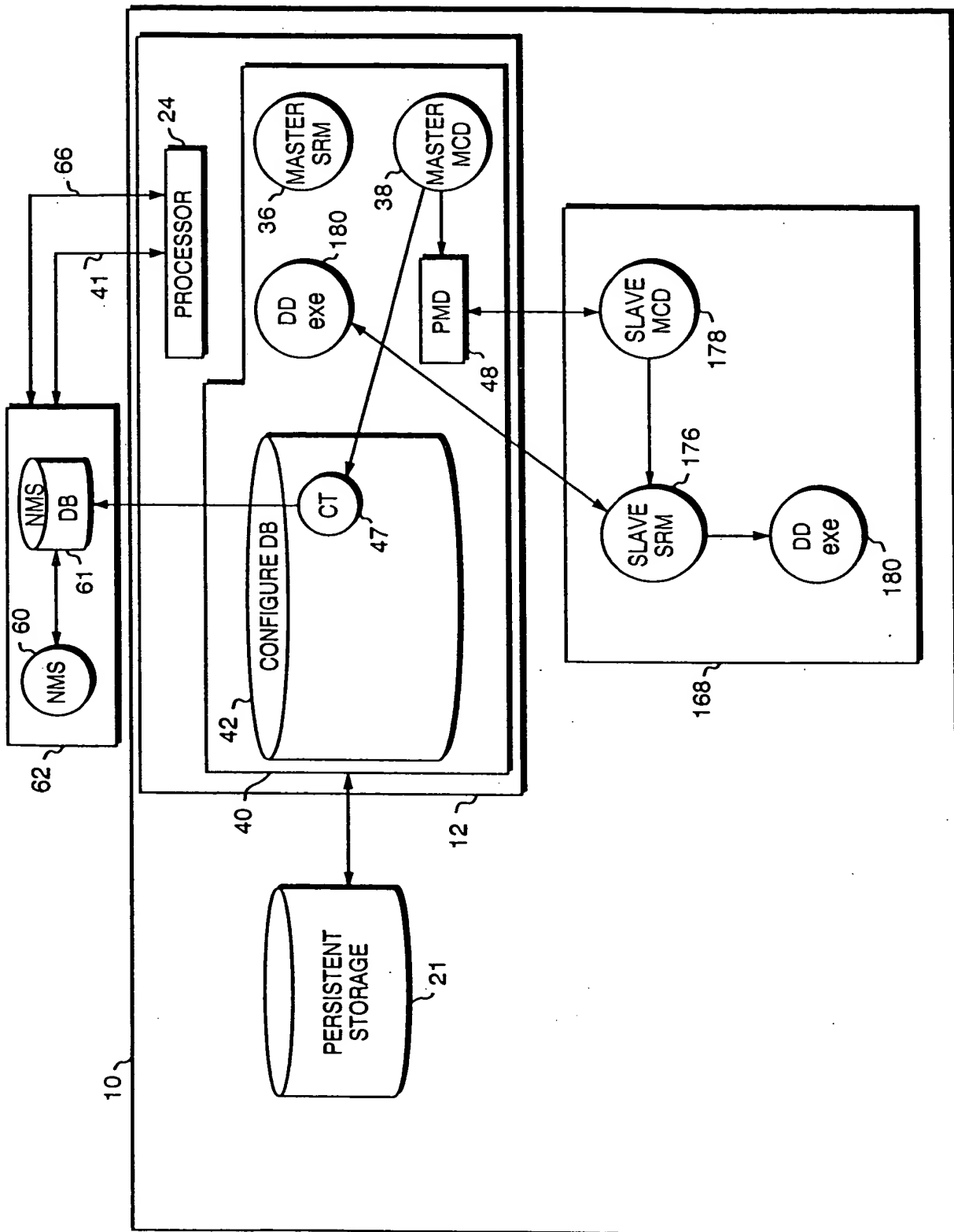


FIG. 19

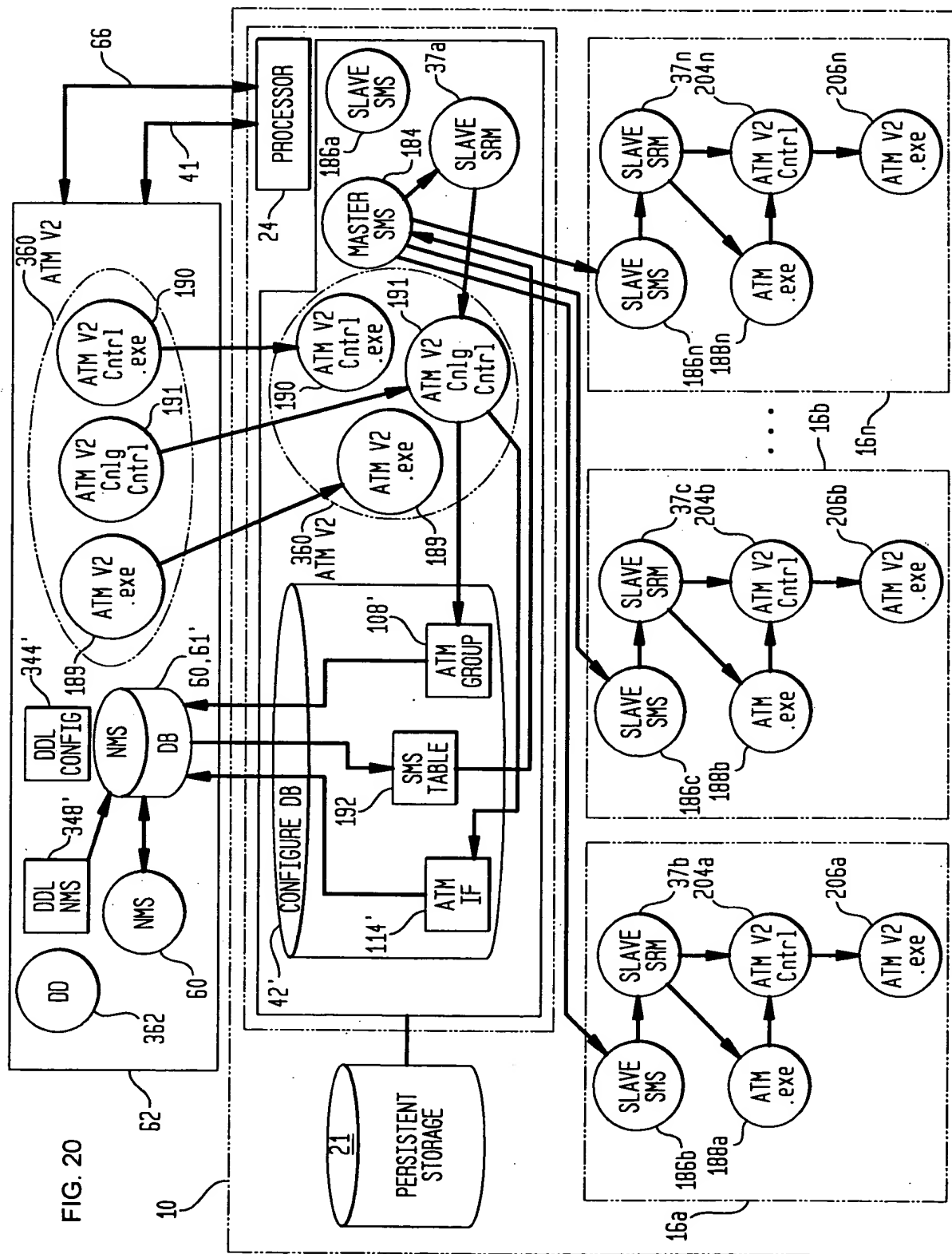


FIG. 21

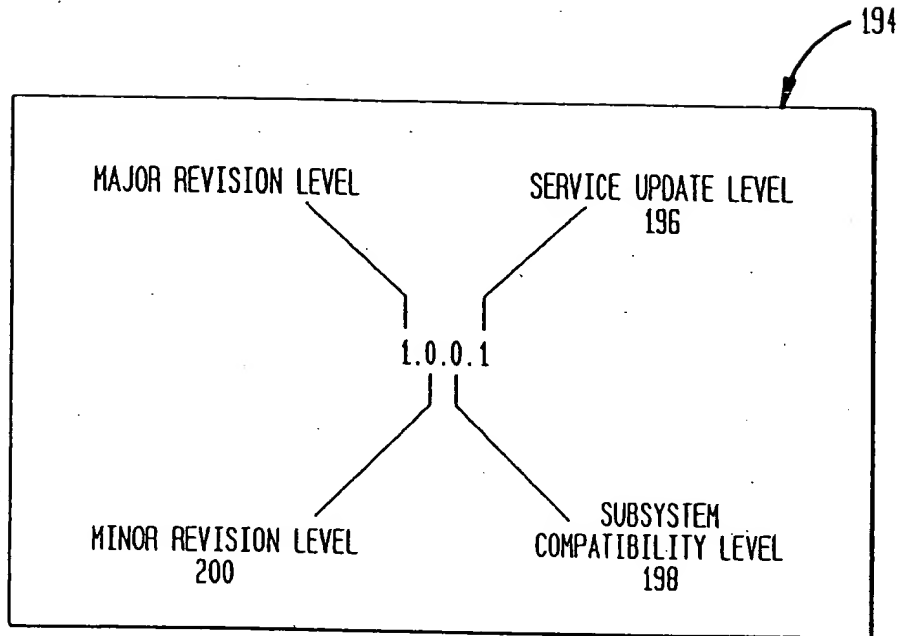


FIG. 22

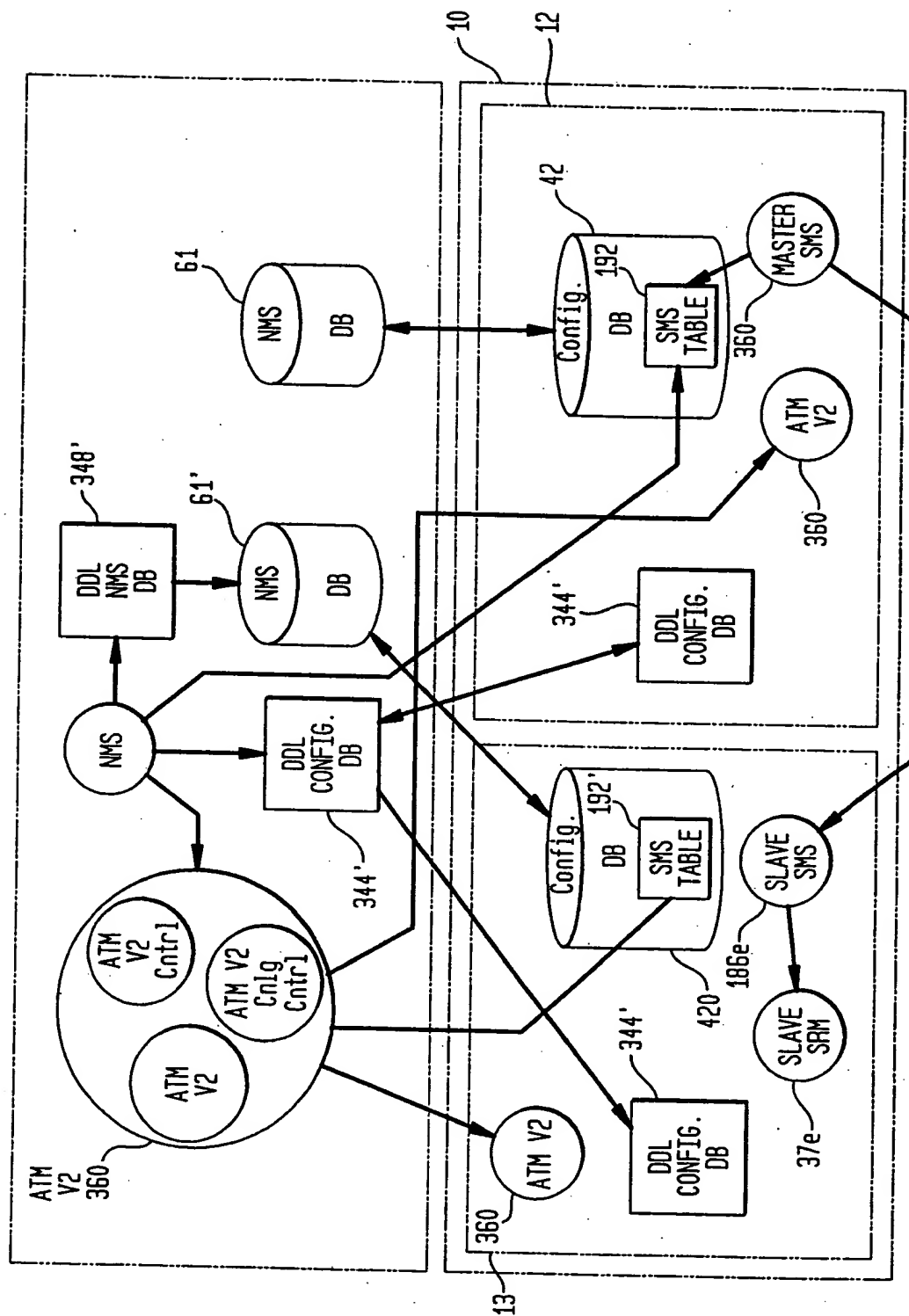
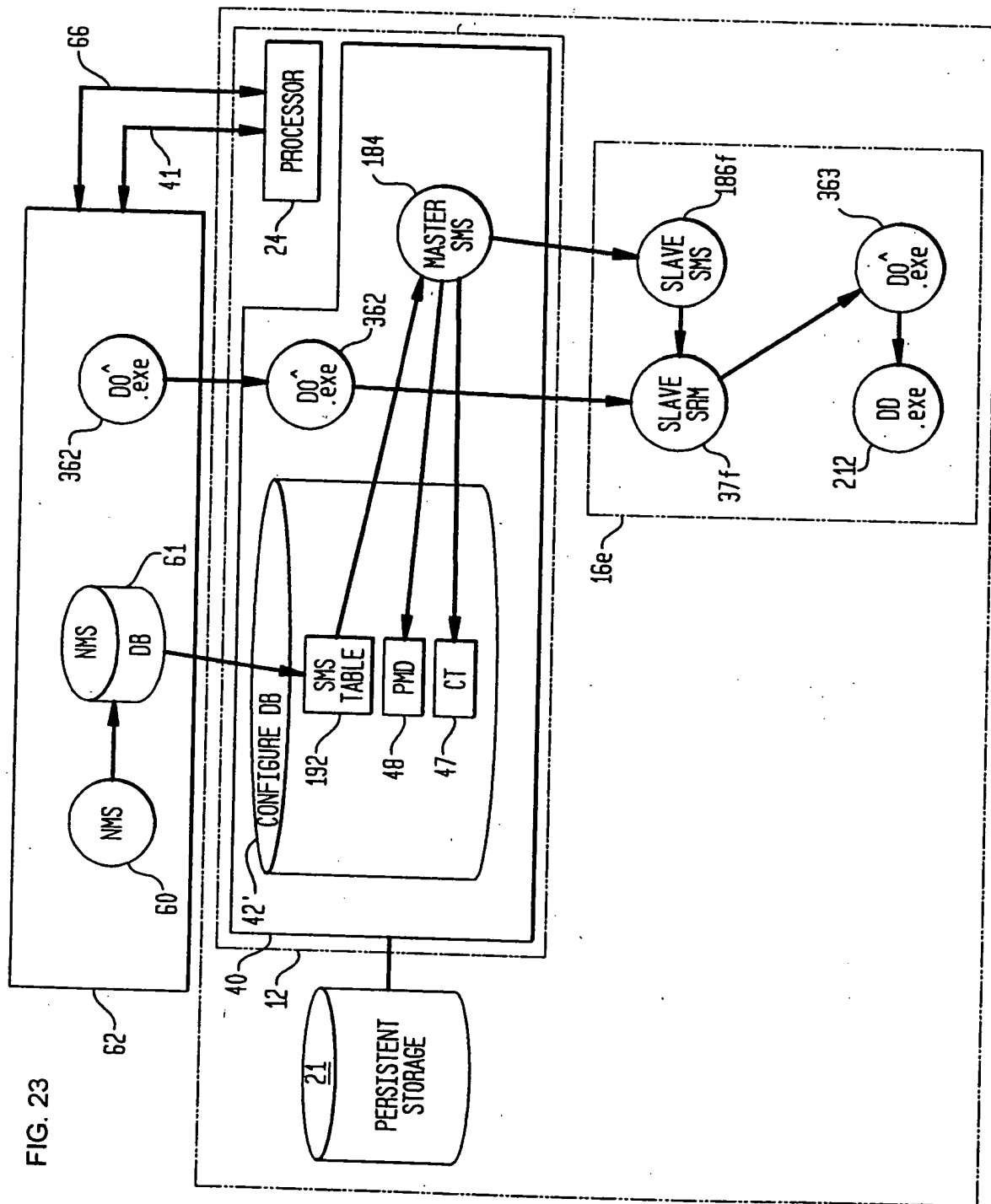


FIG. 23



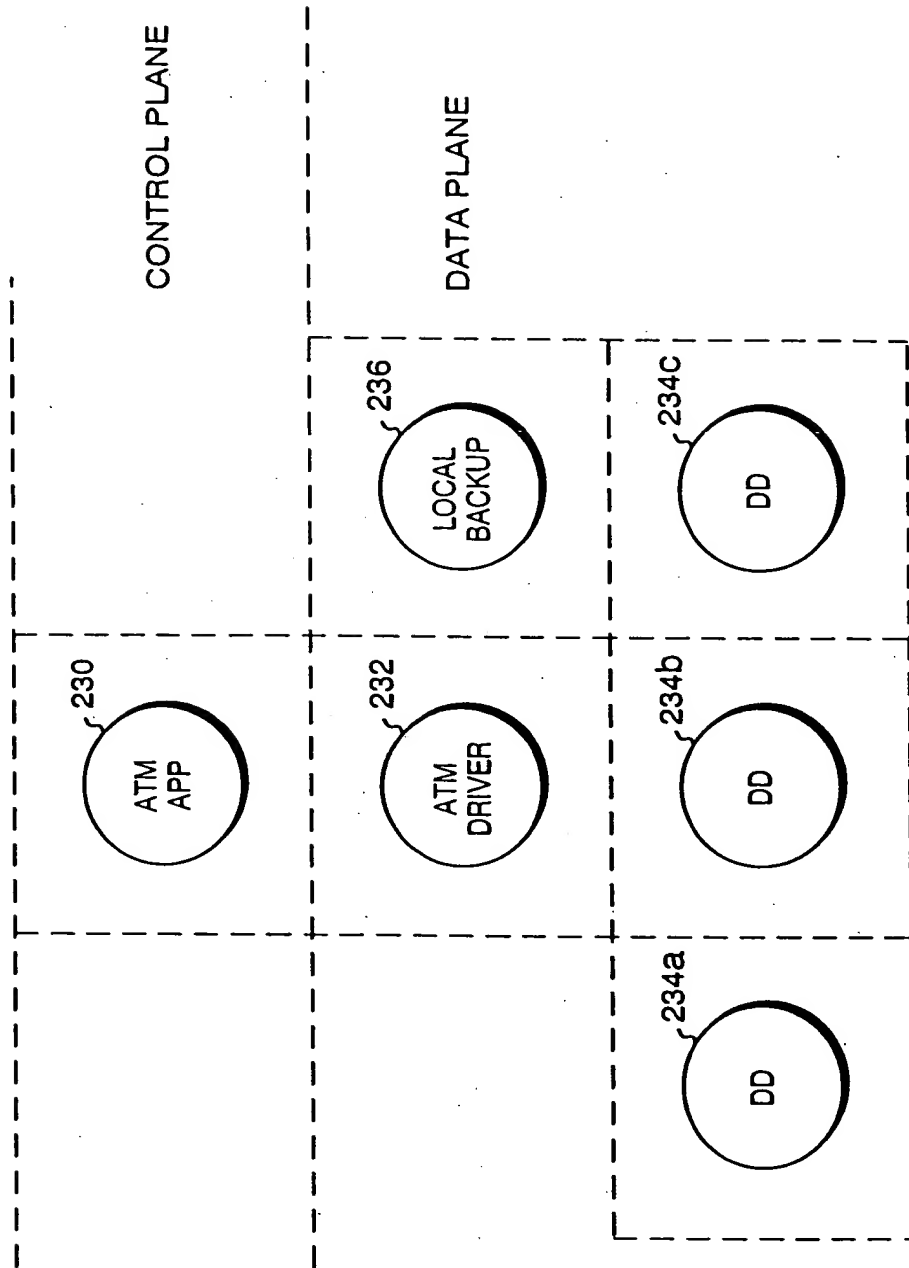


FIG. 24

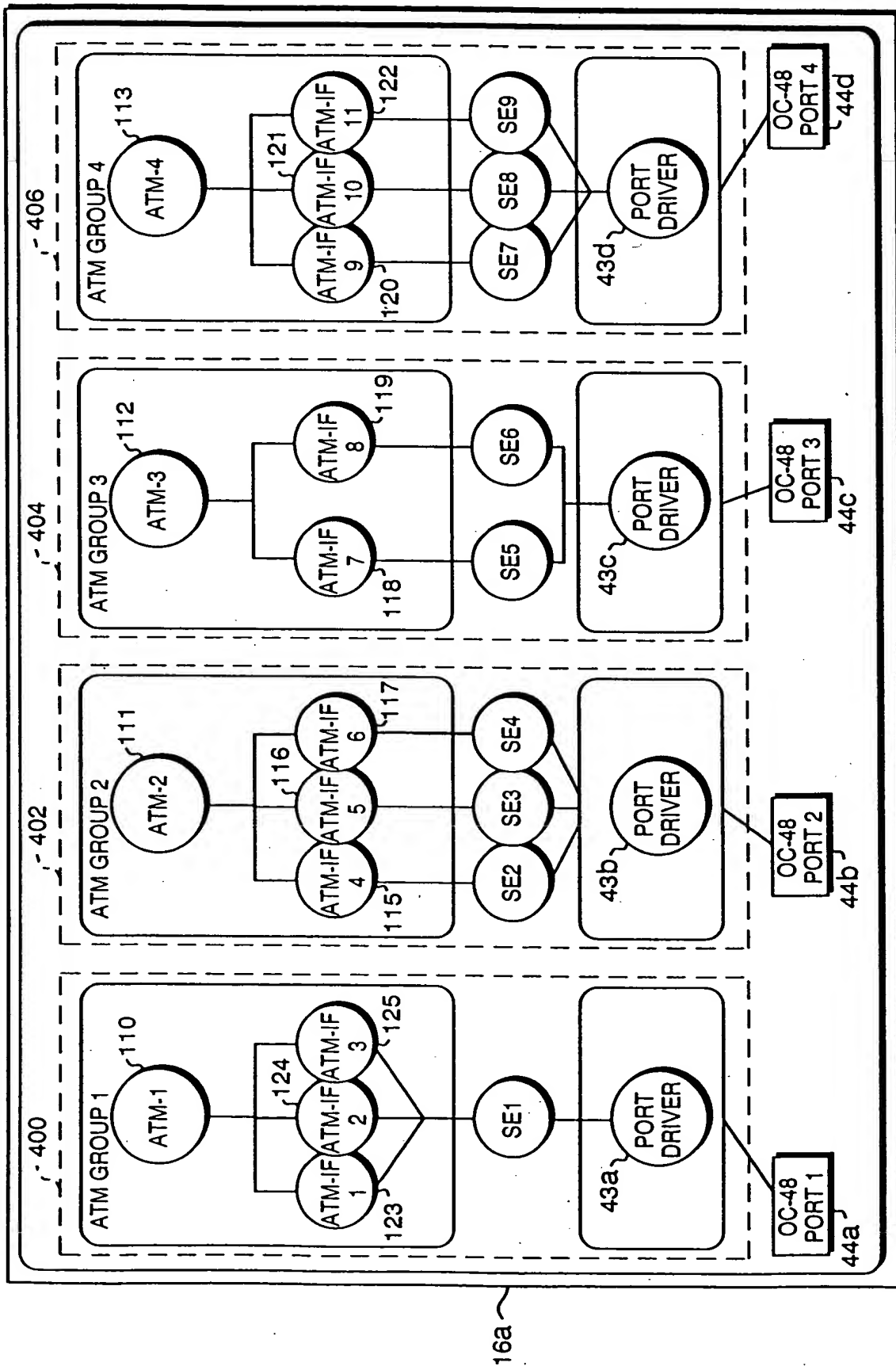


FIG. 25

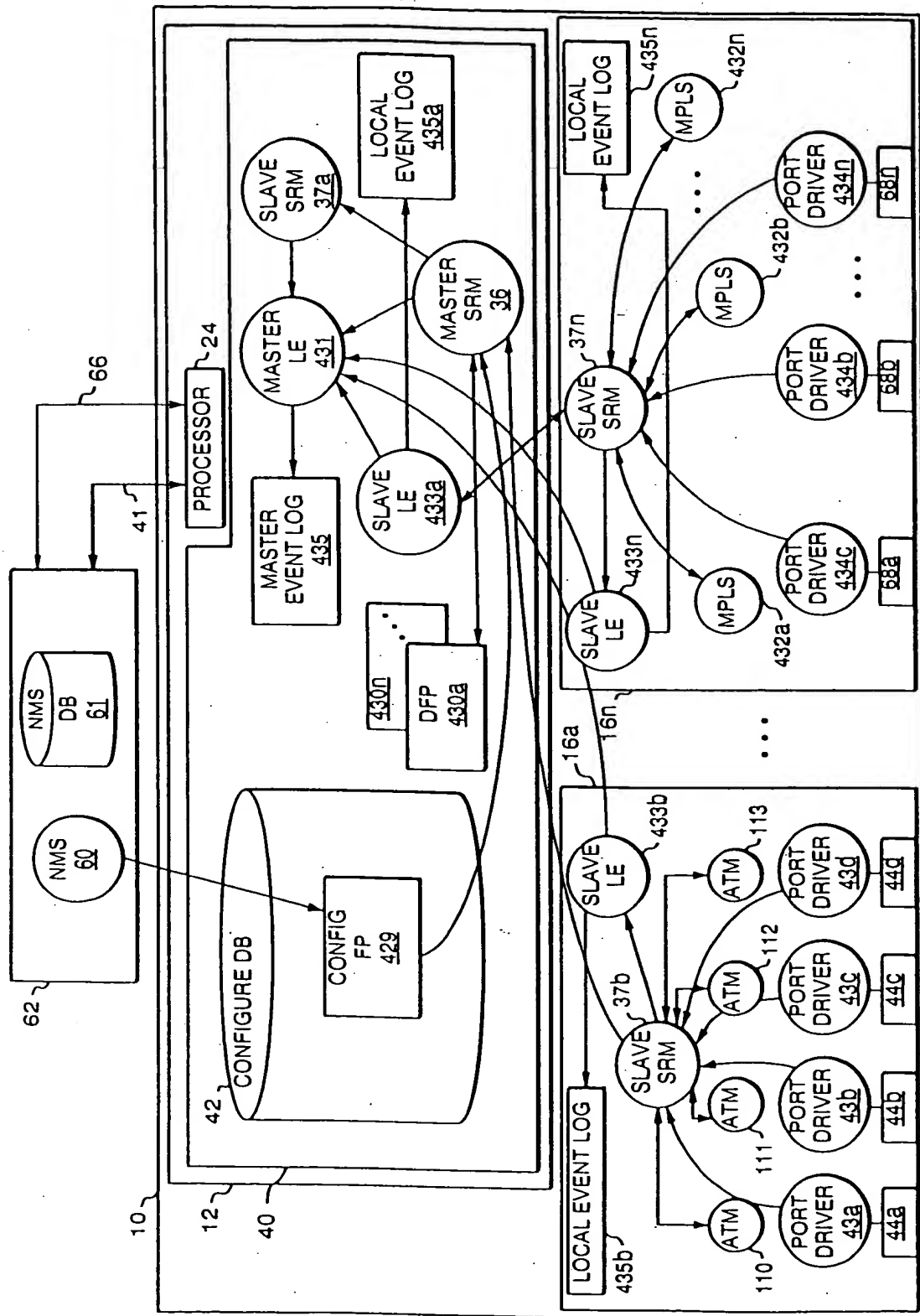


FIG. 26

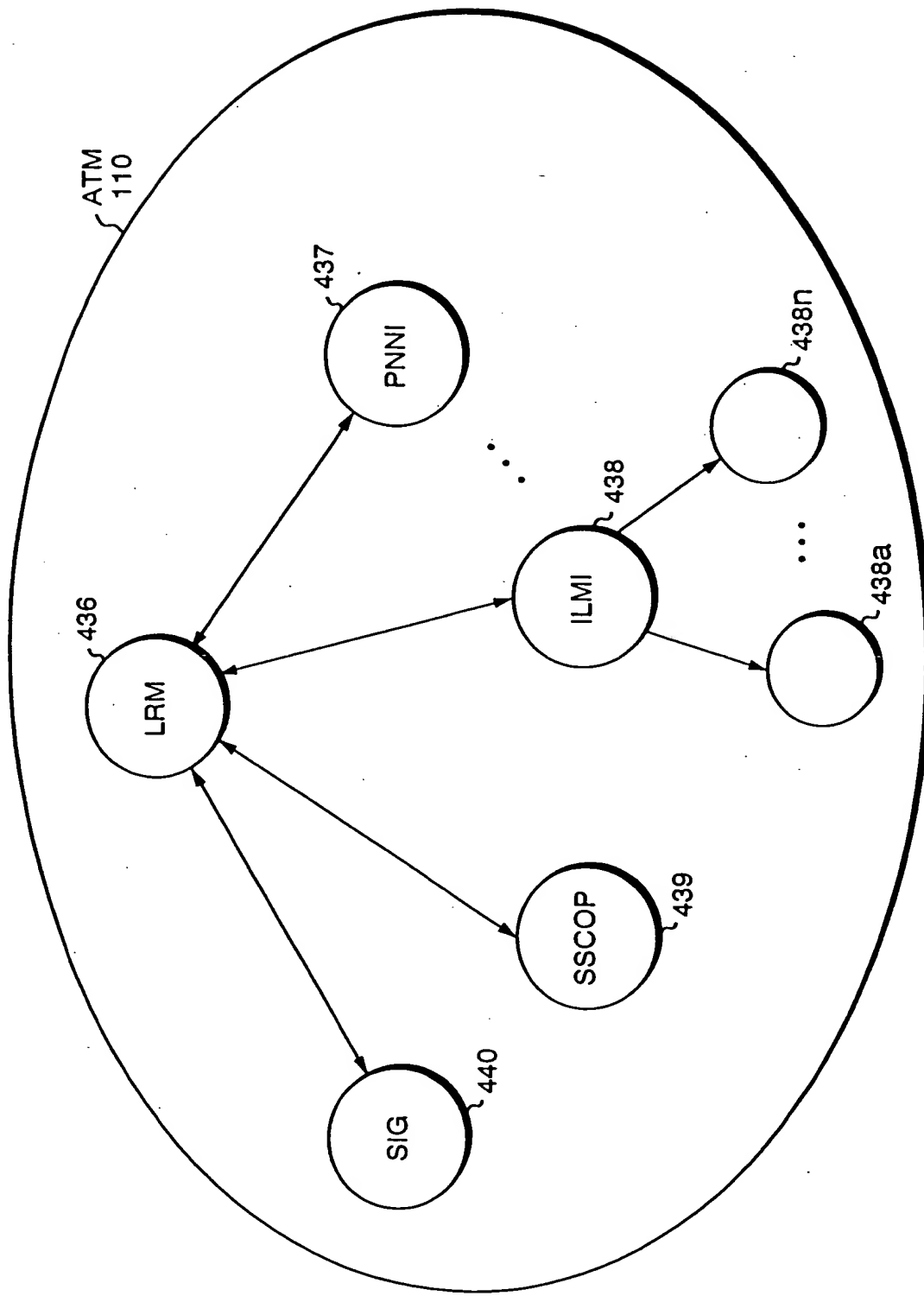


FIG. 27

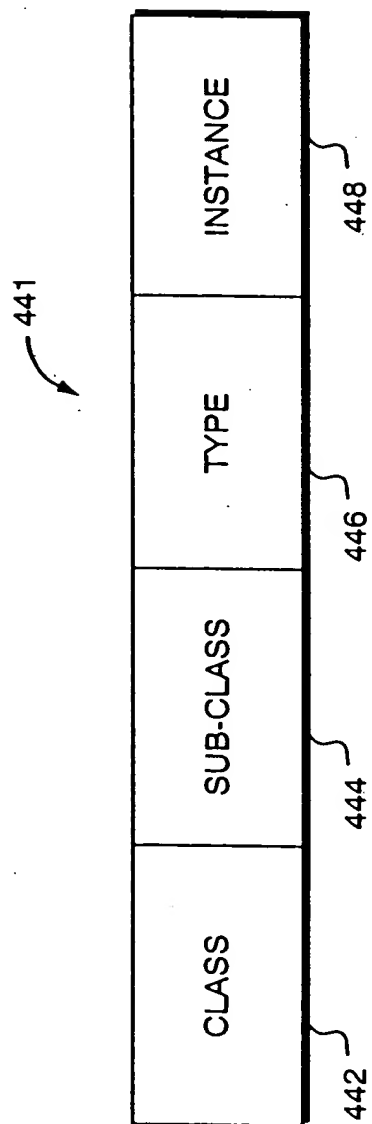


FIG. 28

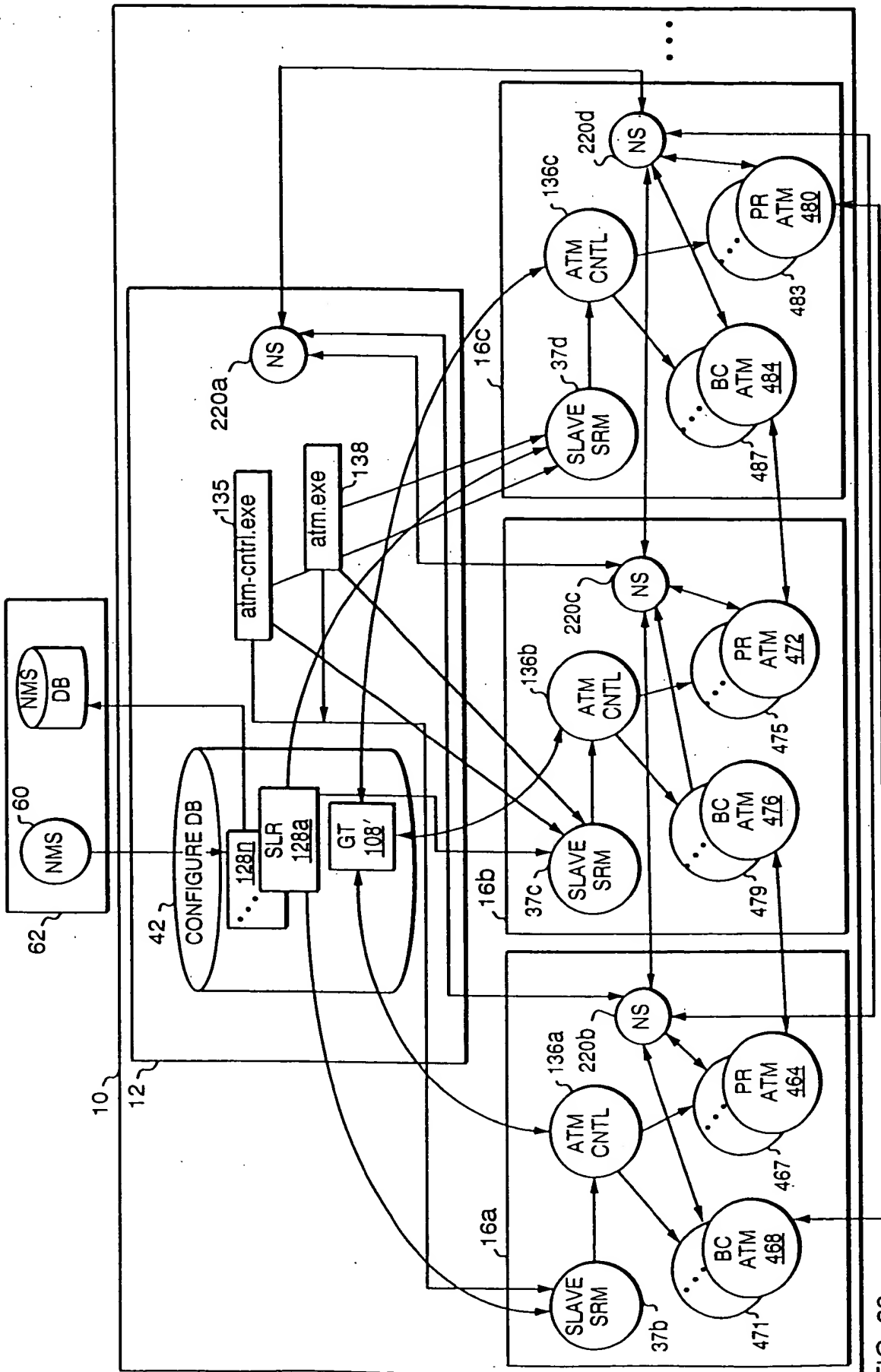


FIG. 29

GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	

FIG. 30

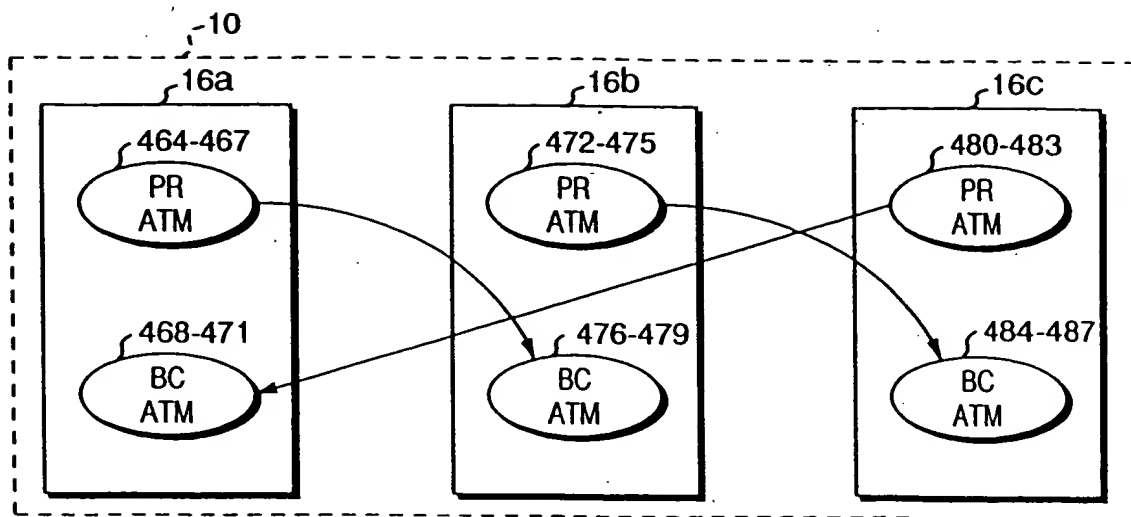


FIG. 31A

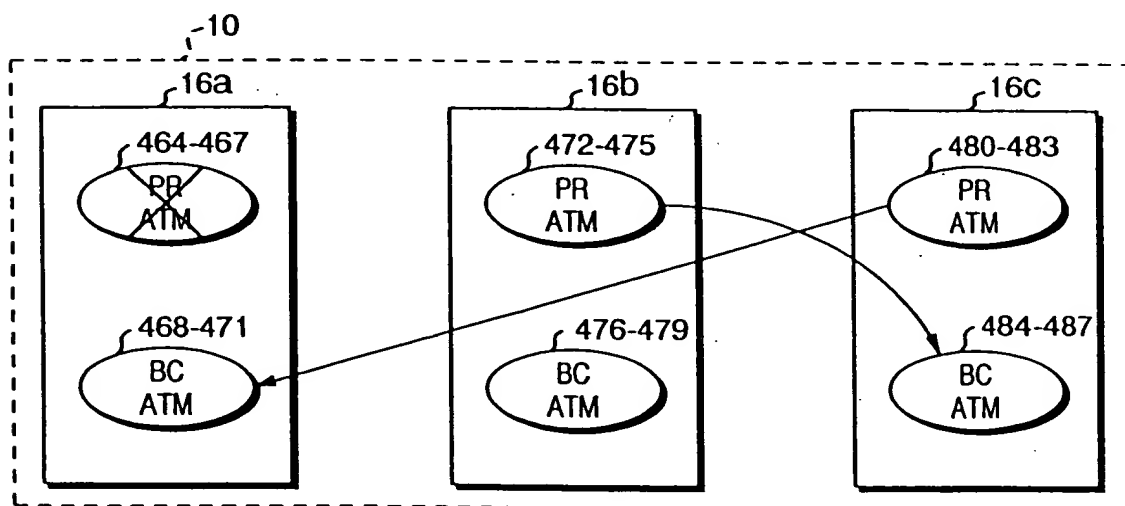


FIG. 31B

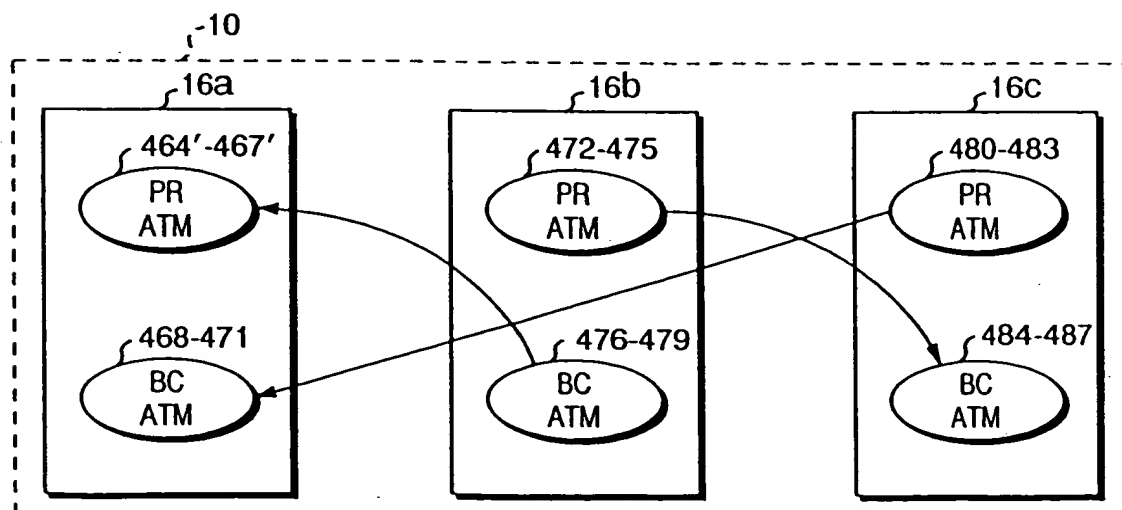


FIG. 31C

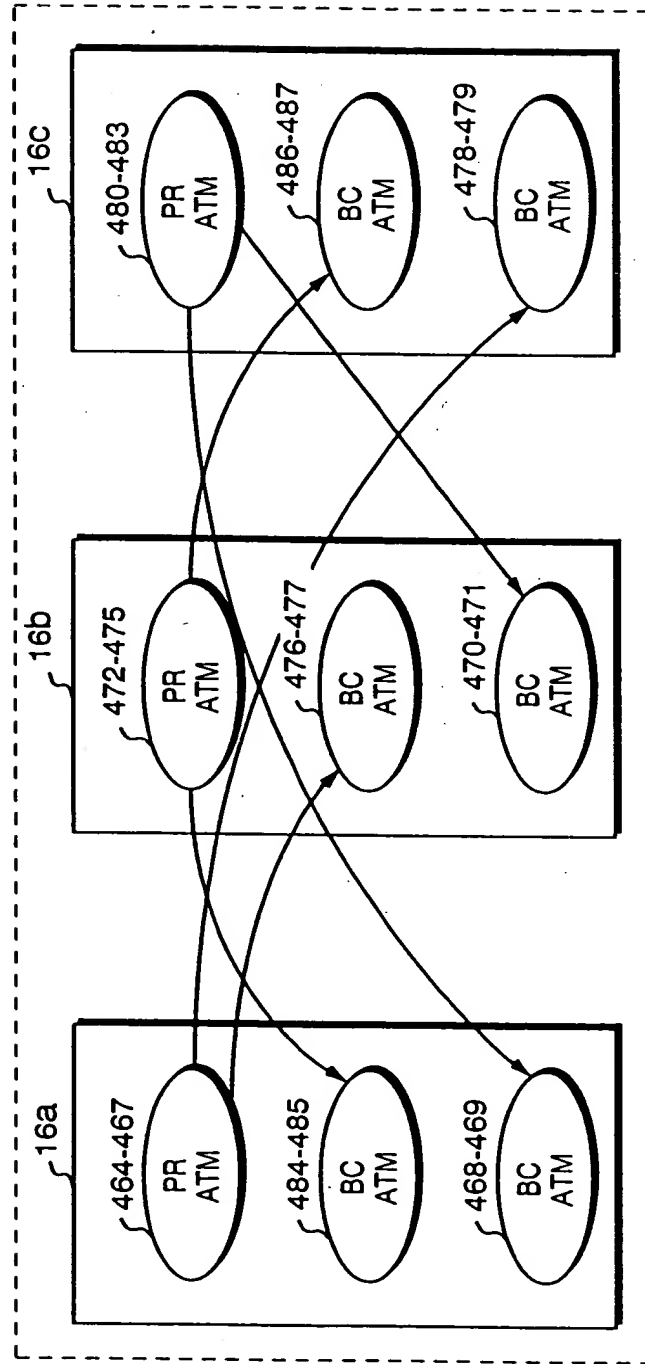


FIG. 32A

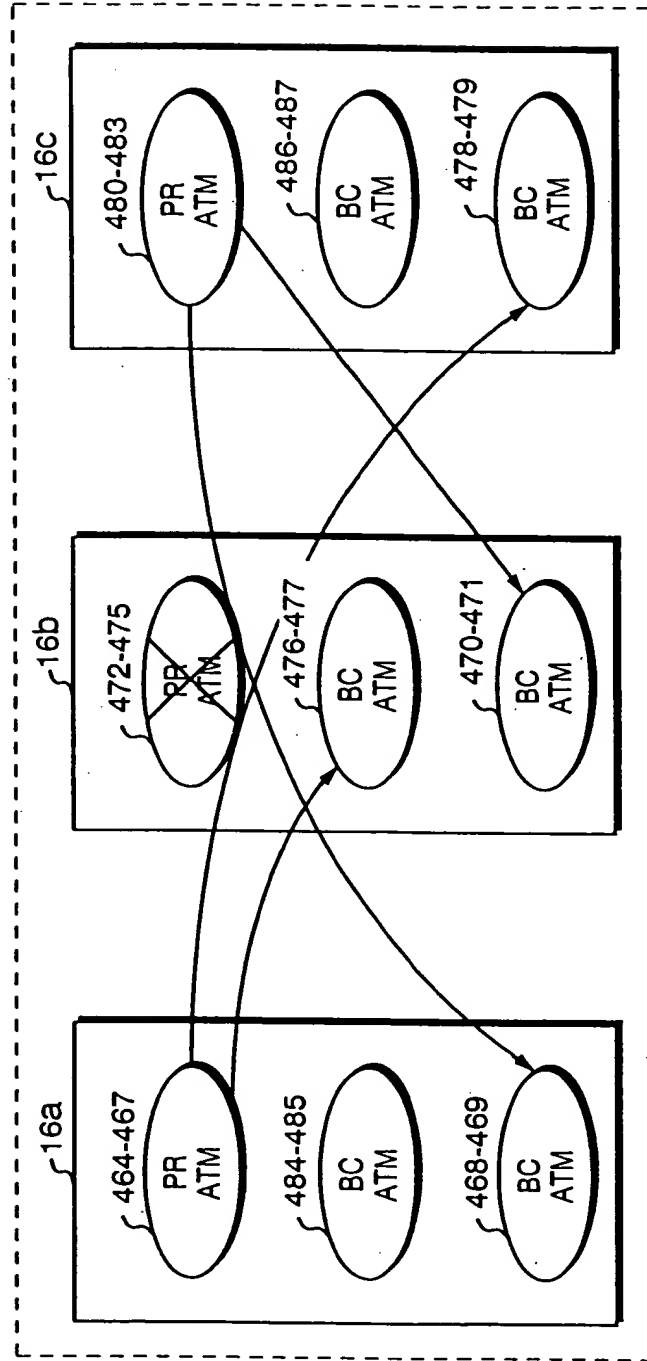


FIG. 32B

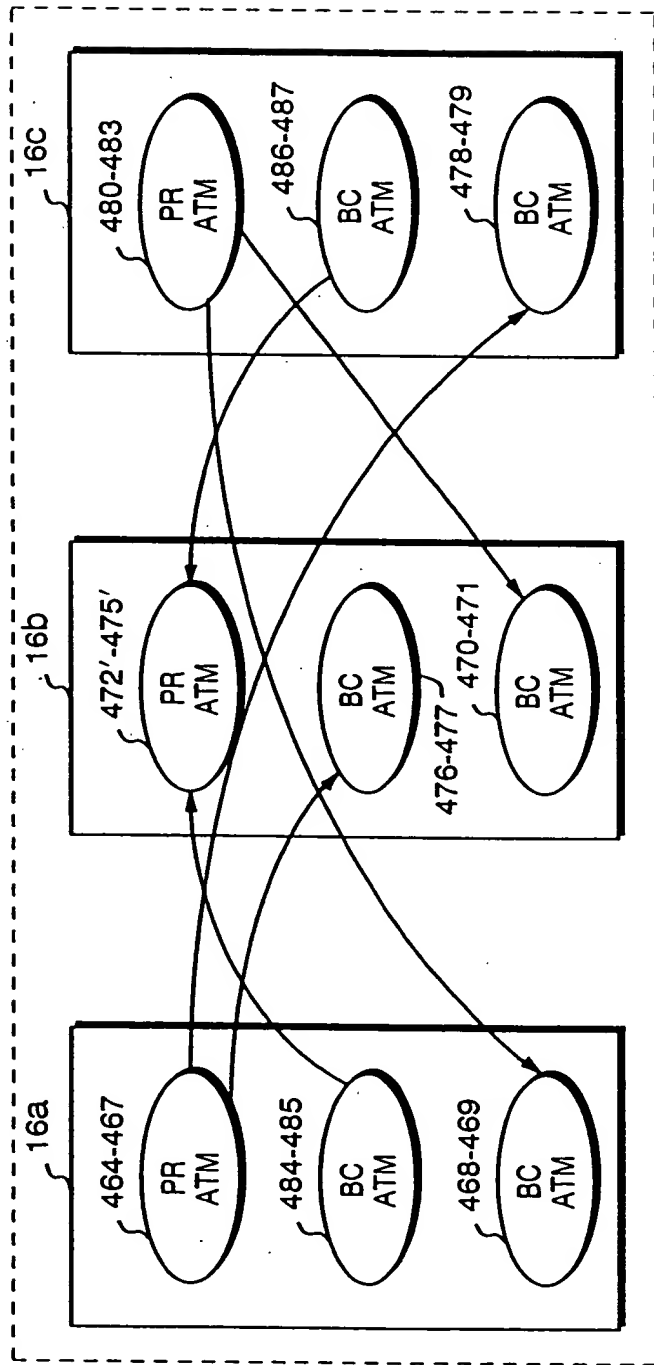


FIG. 32C

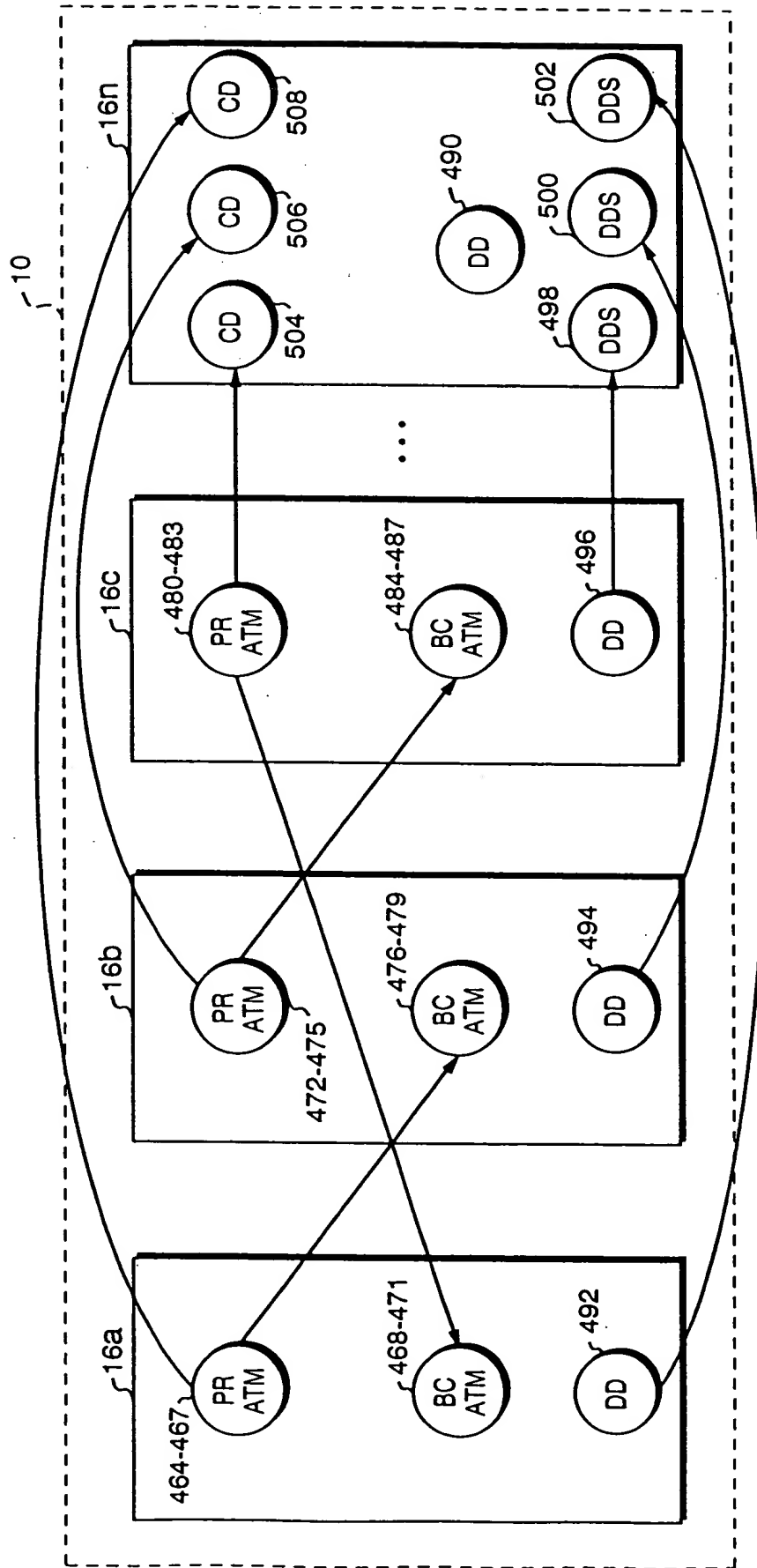


FIG. 33A

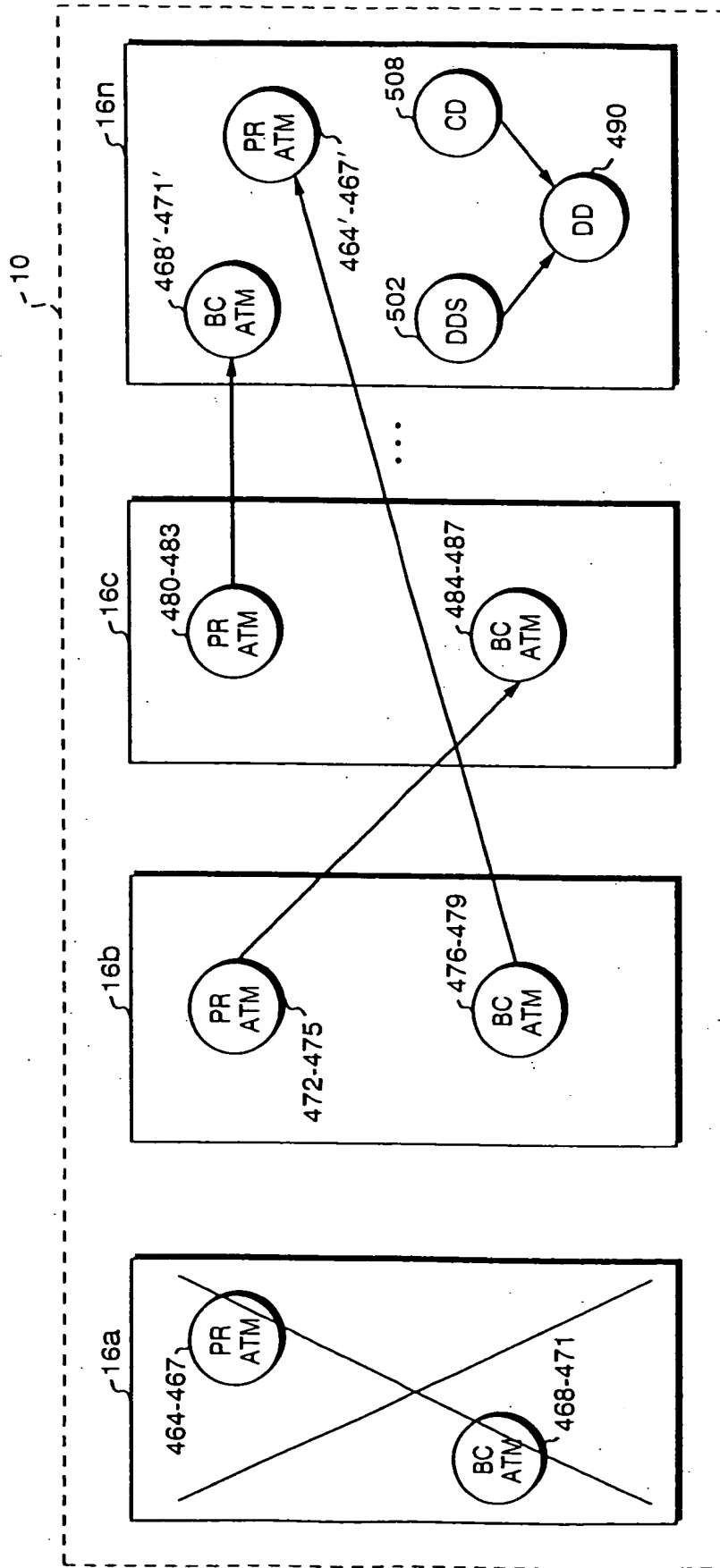


FIG. 33B

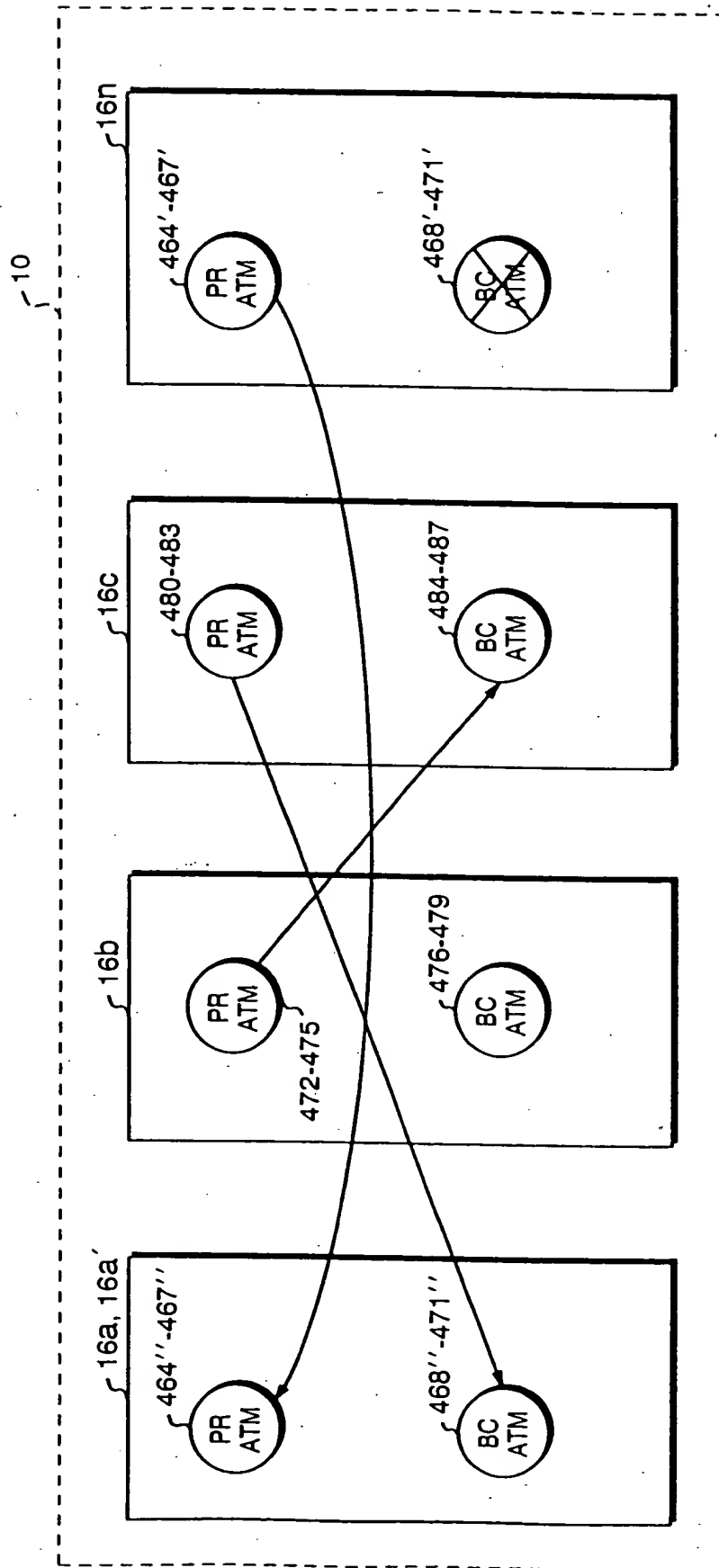


FIG. 33C

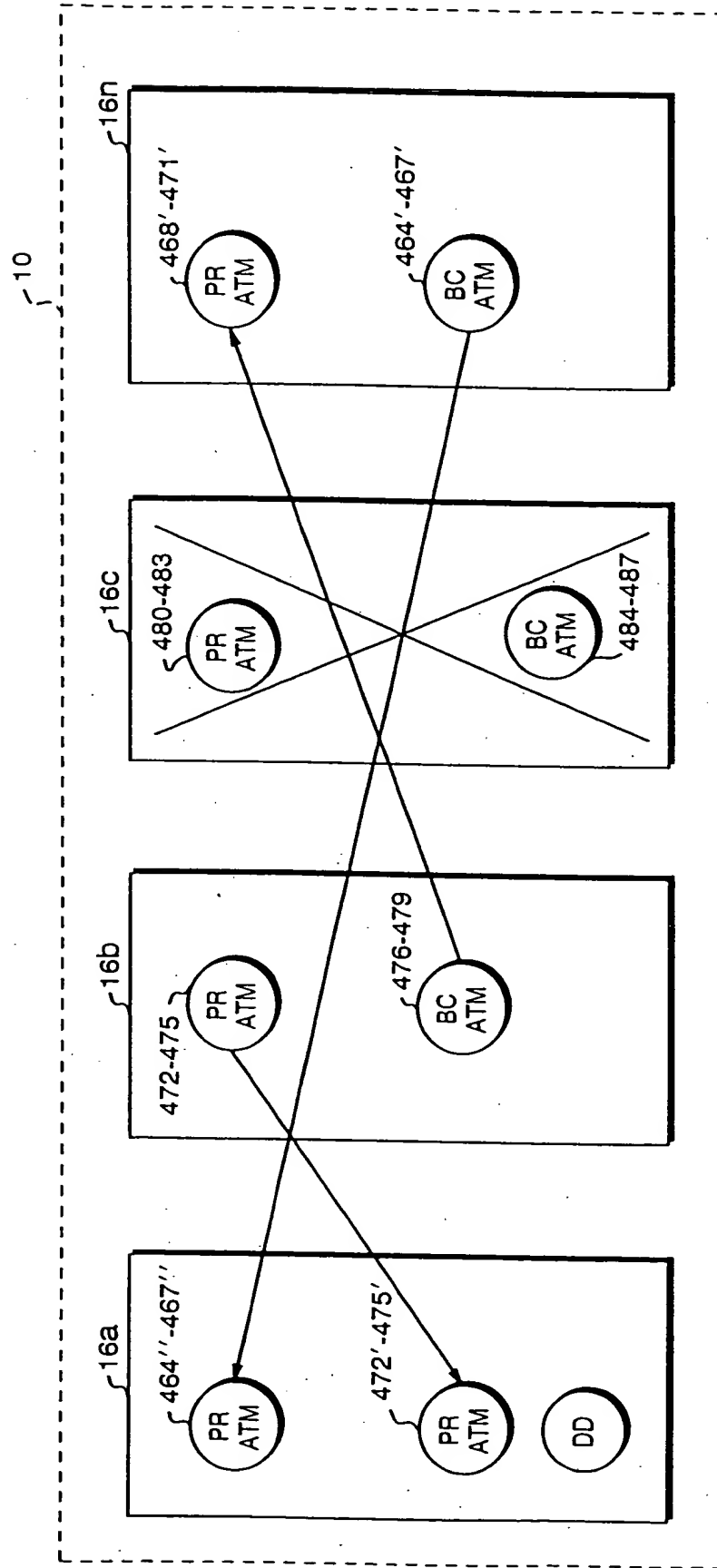


FIG. 33D

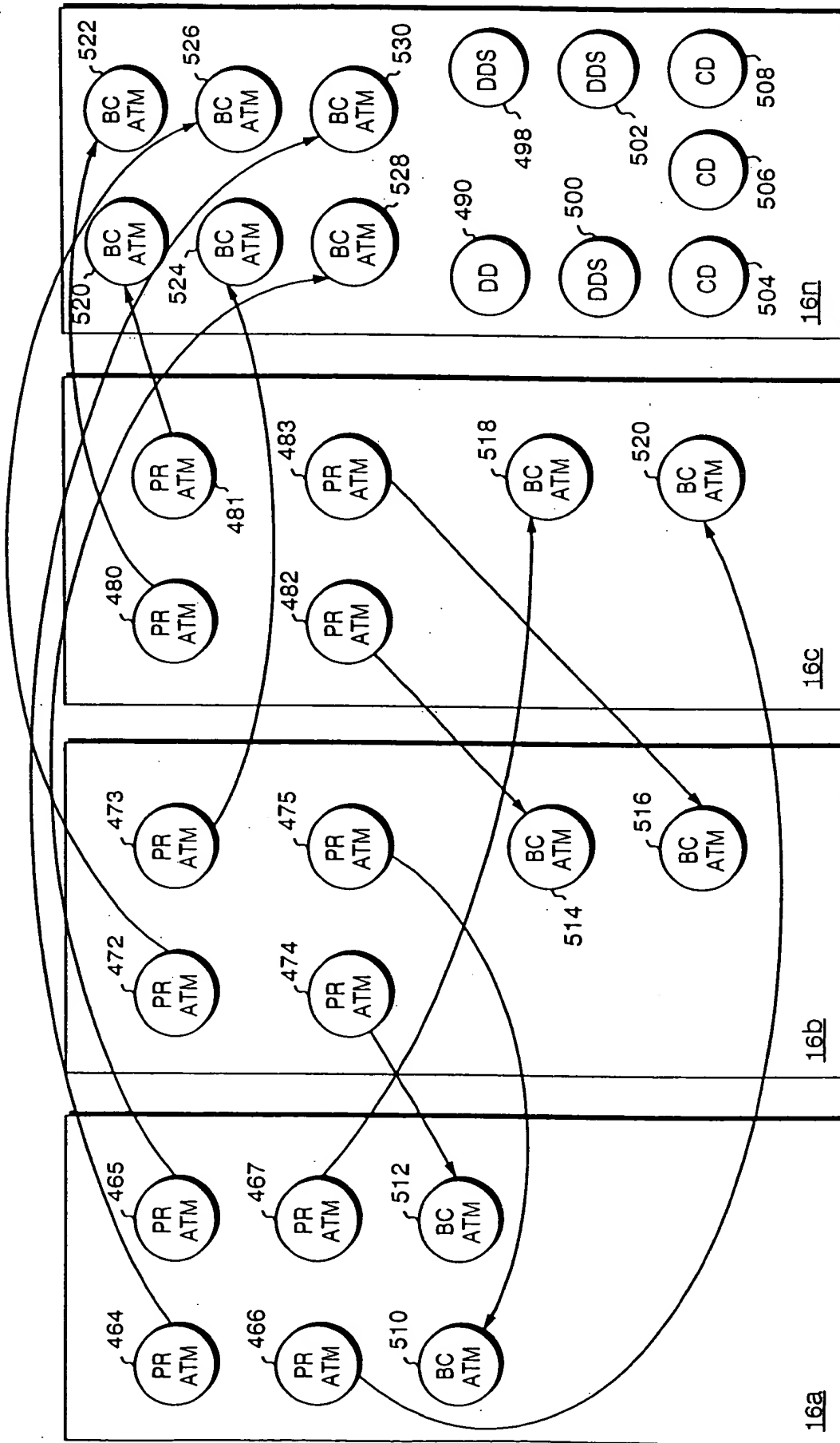


FIG. 34A

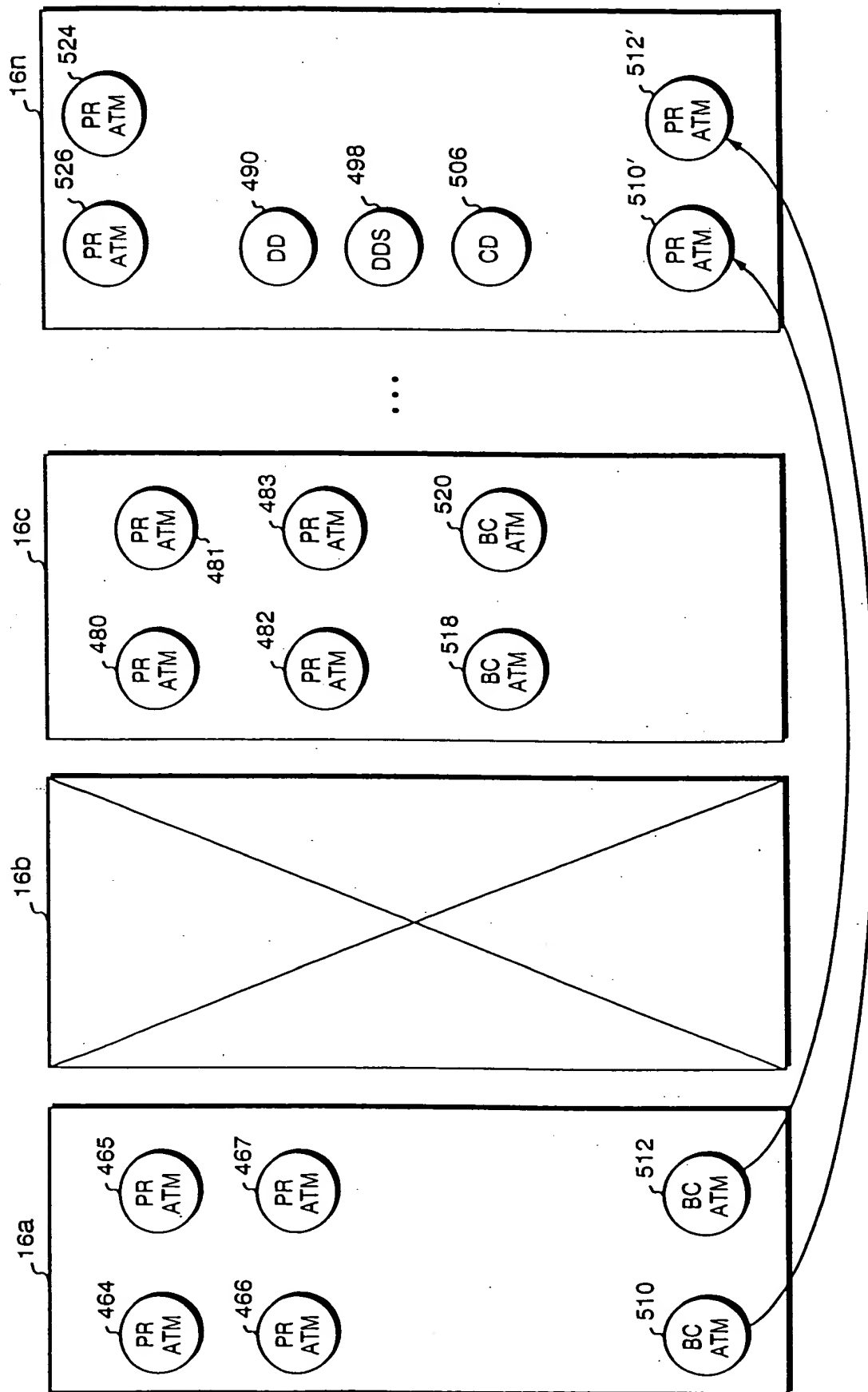


FIG. 34B

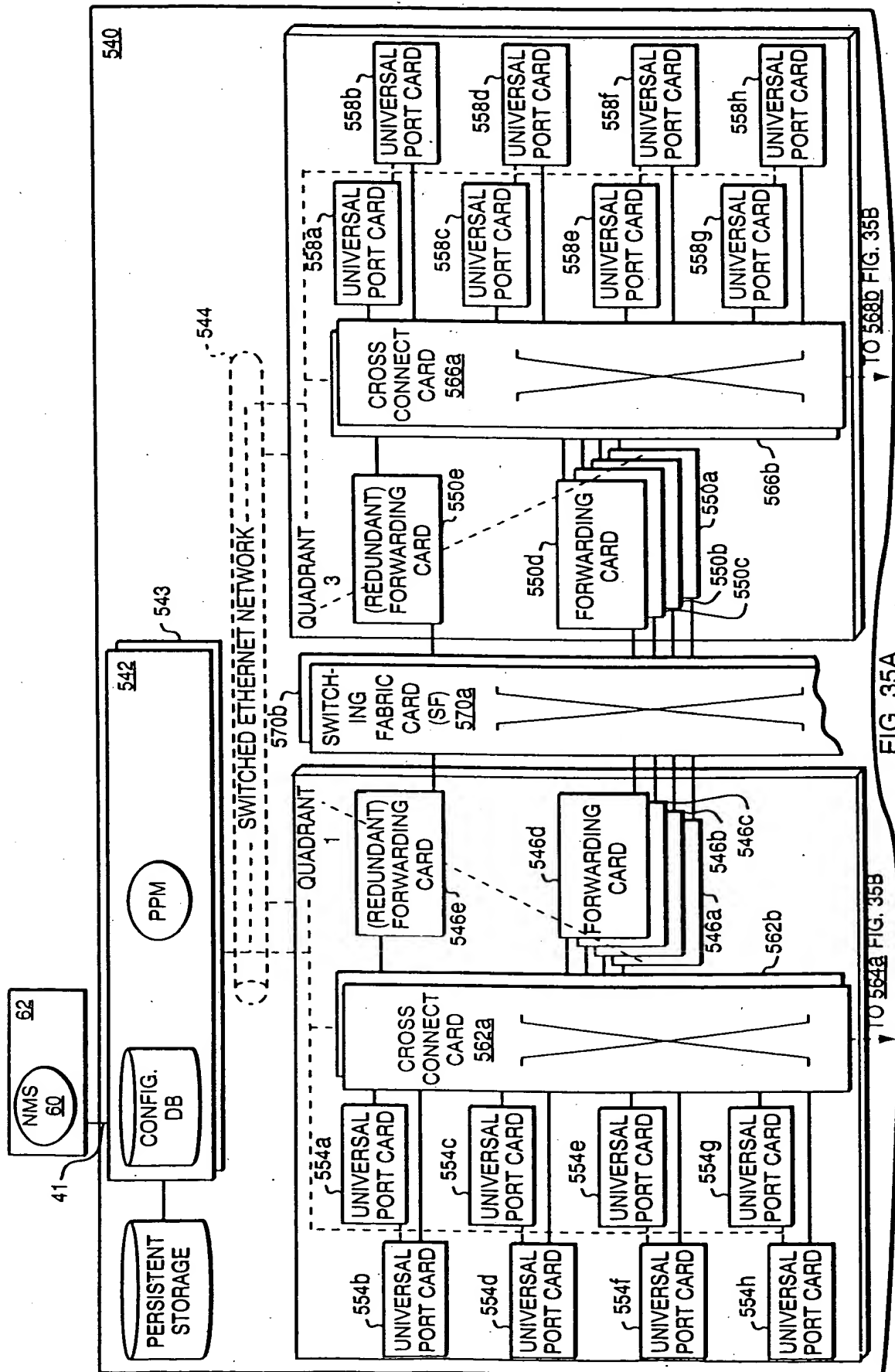


FIG. 35A

TO 564a FIG. 35B

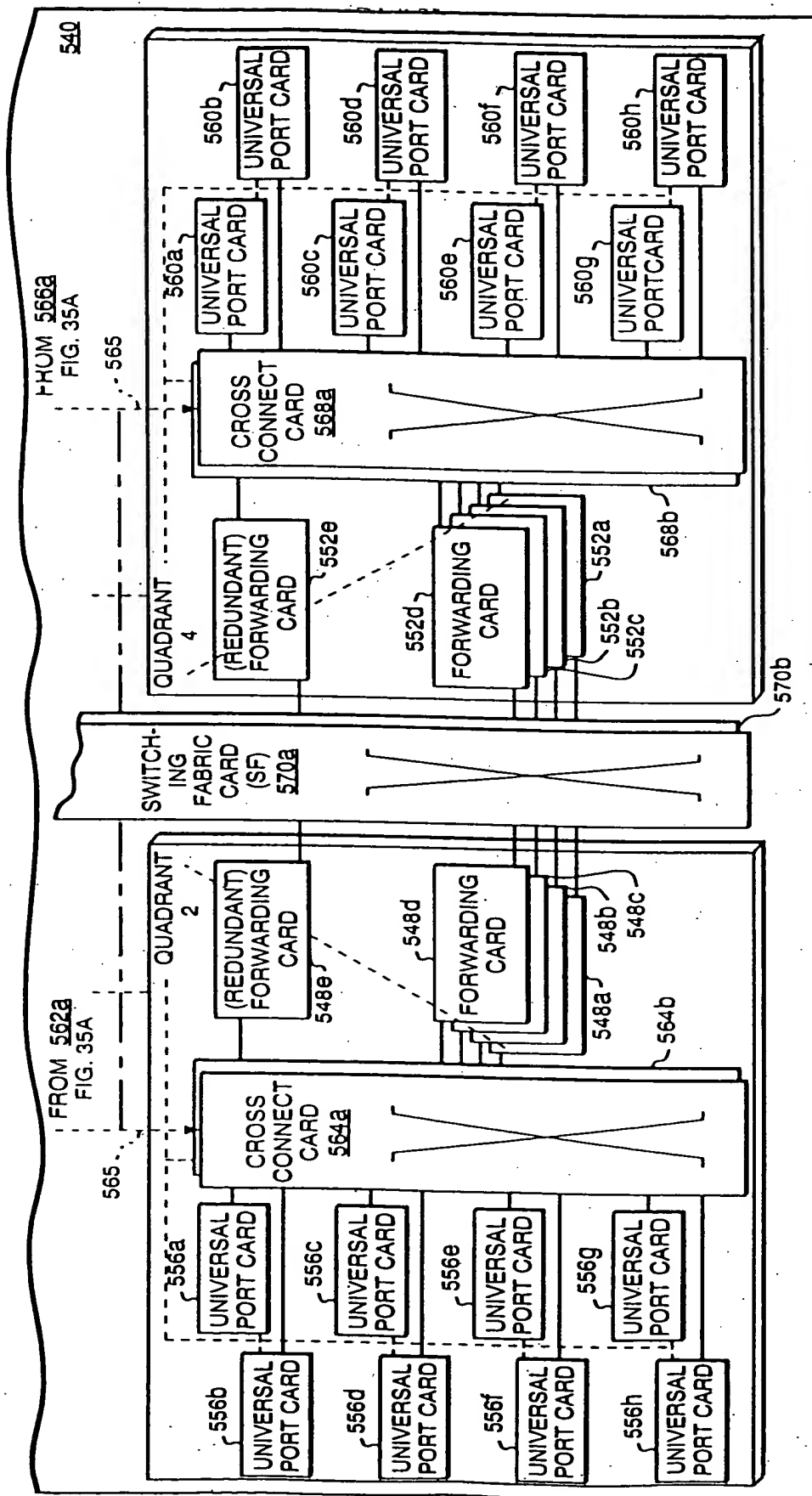


FIG. 35B

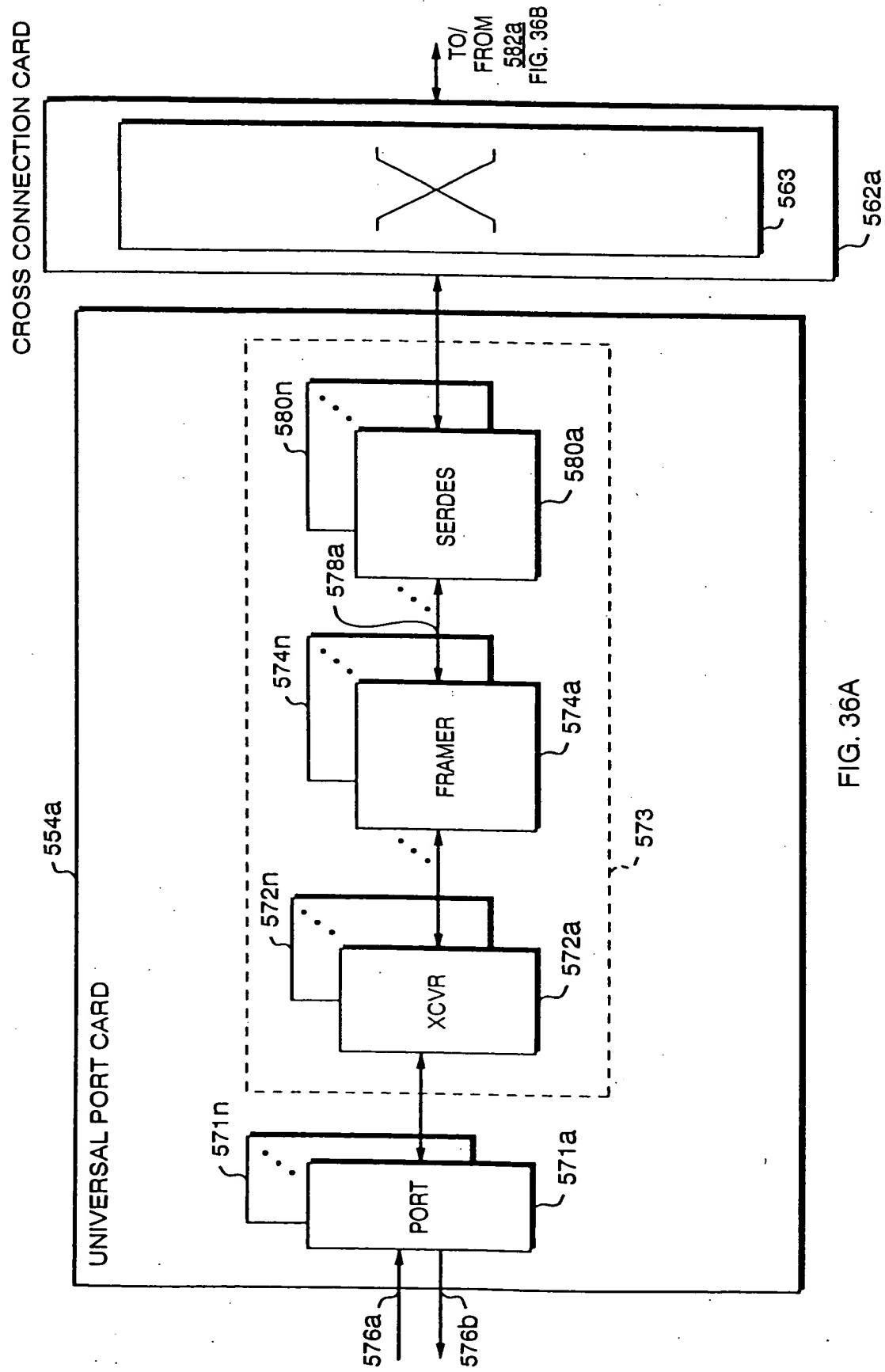


FIG. 36A

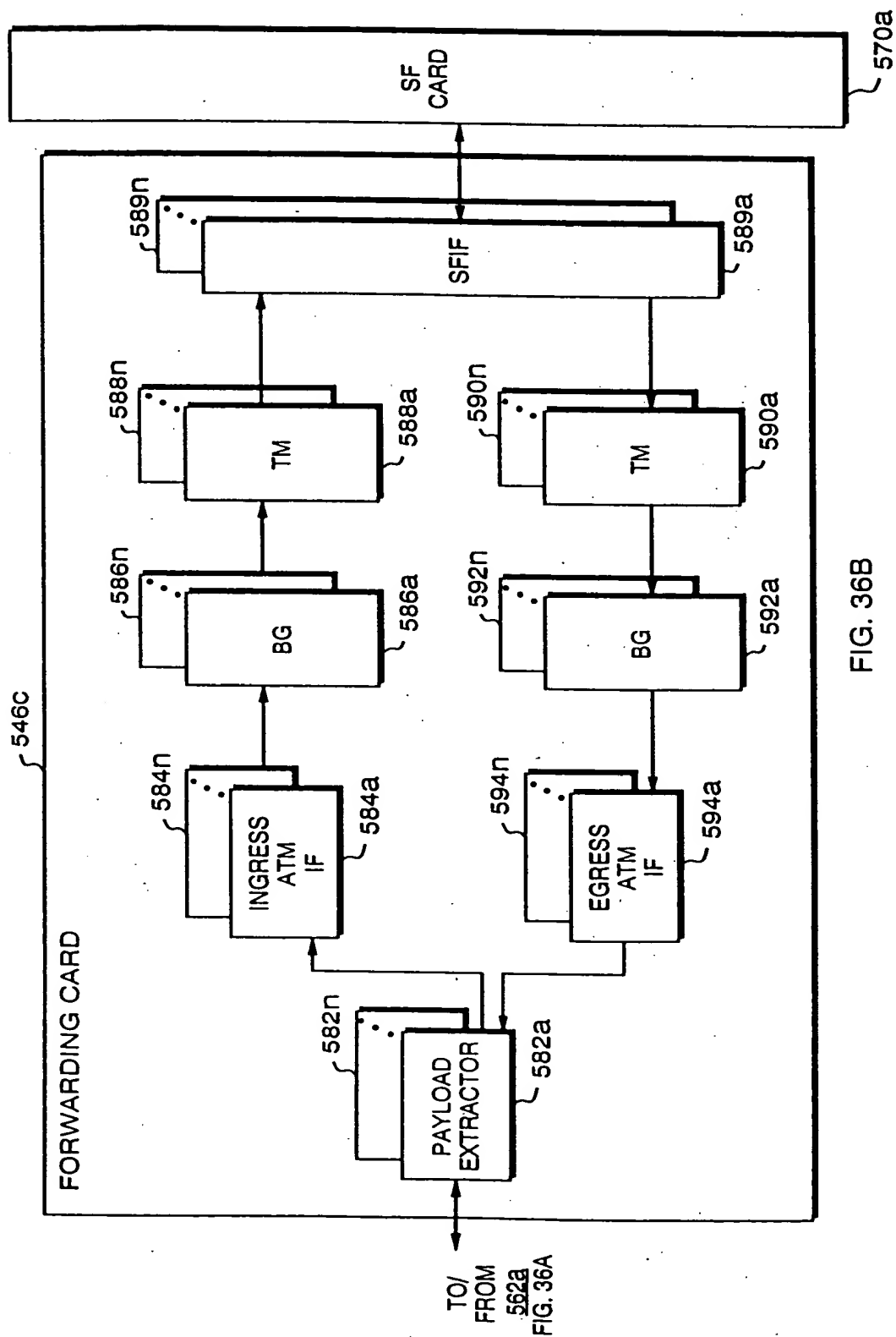


FIG. 36B

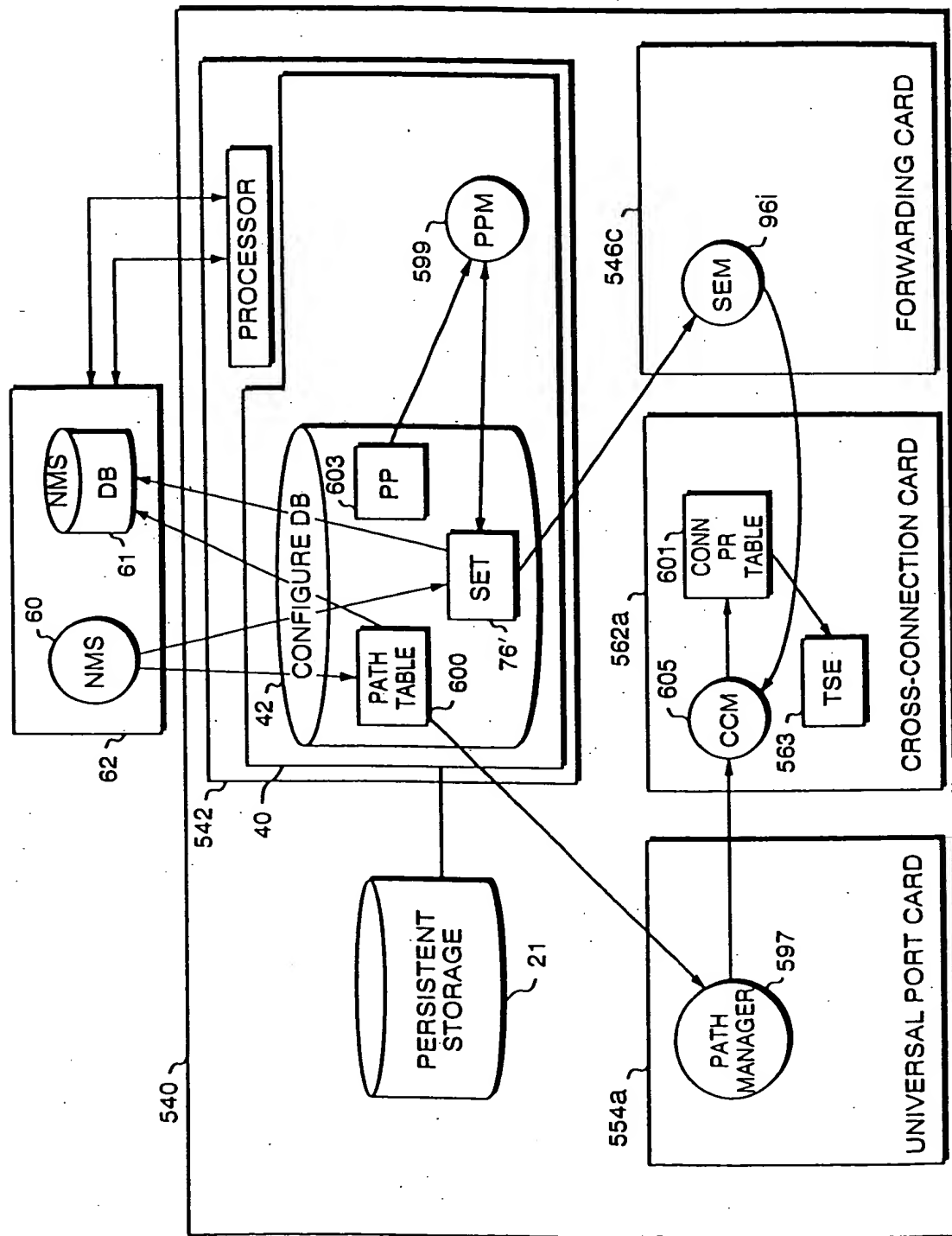


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

604	SE #	Q #	606 FC LID	608 FC SLICE	610 FC TIME SLOT	PATH PID	...
	878	1				1666	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

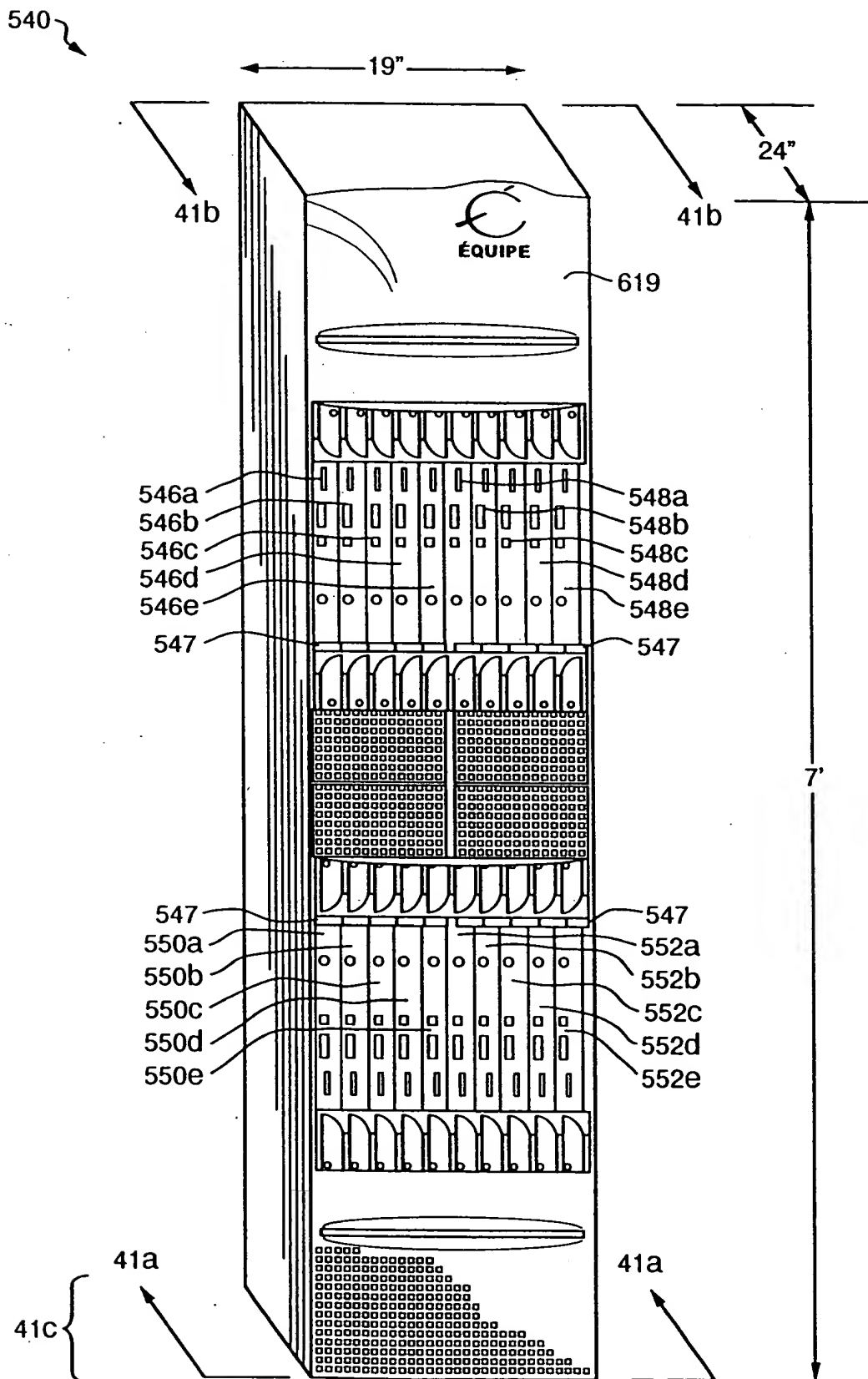


FIG. 40

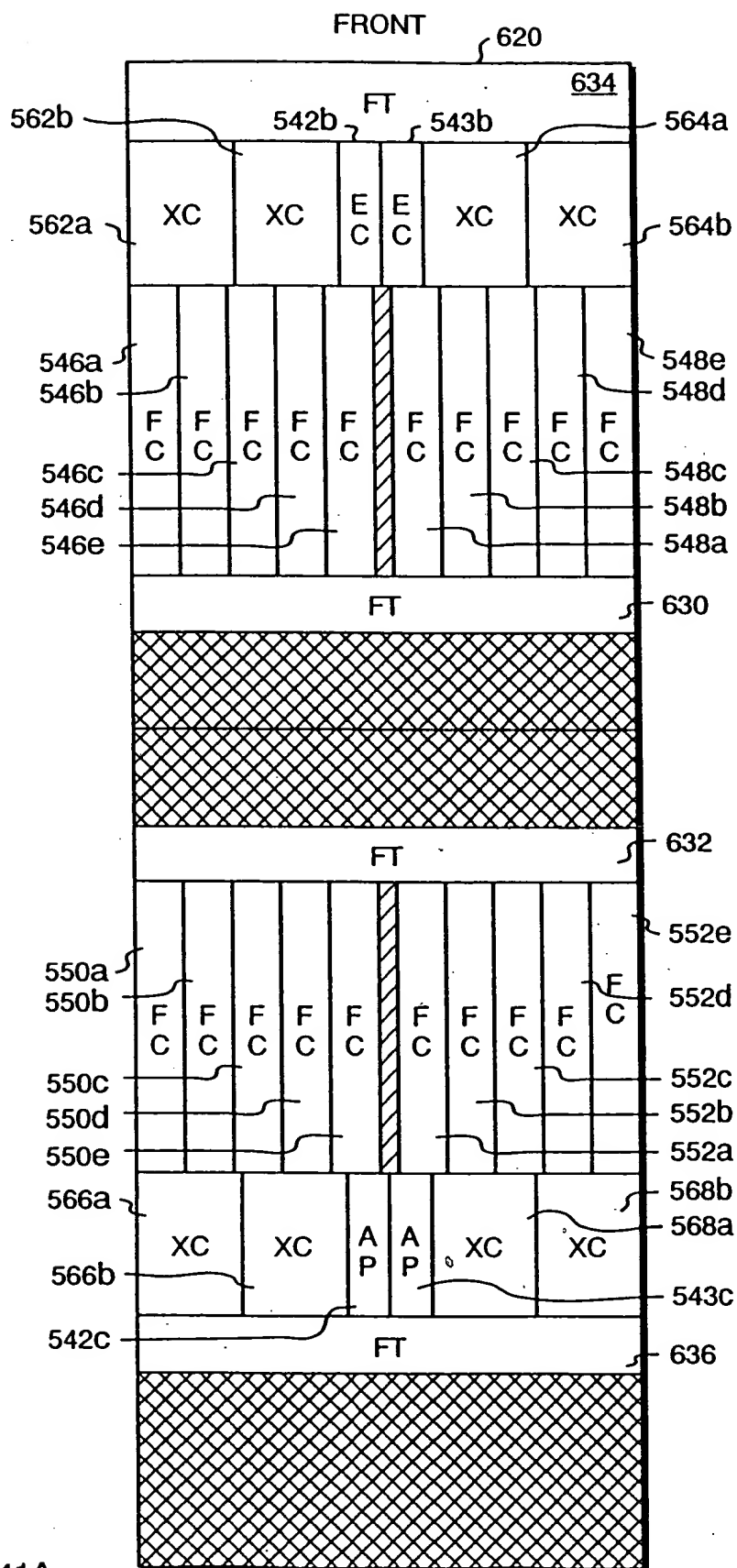


FIG. 41A

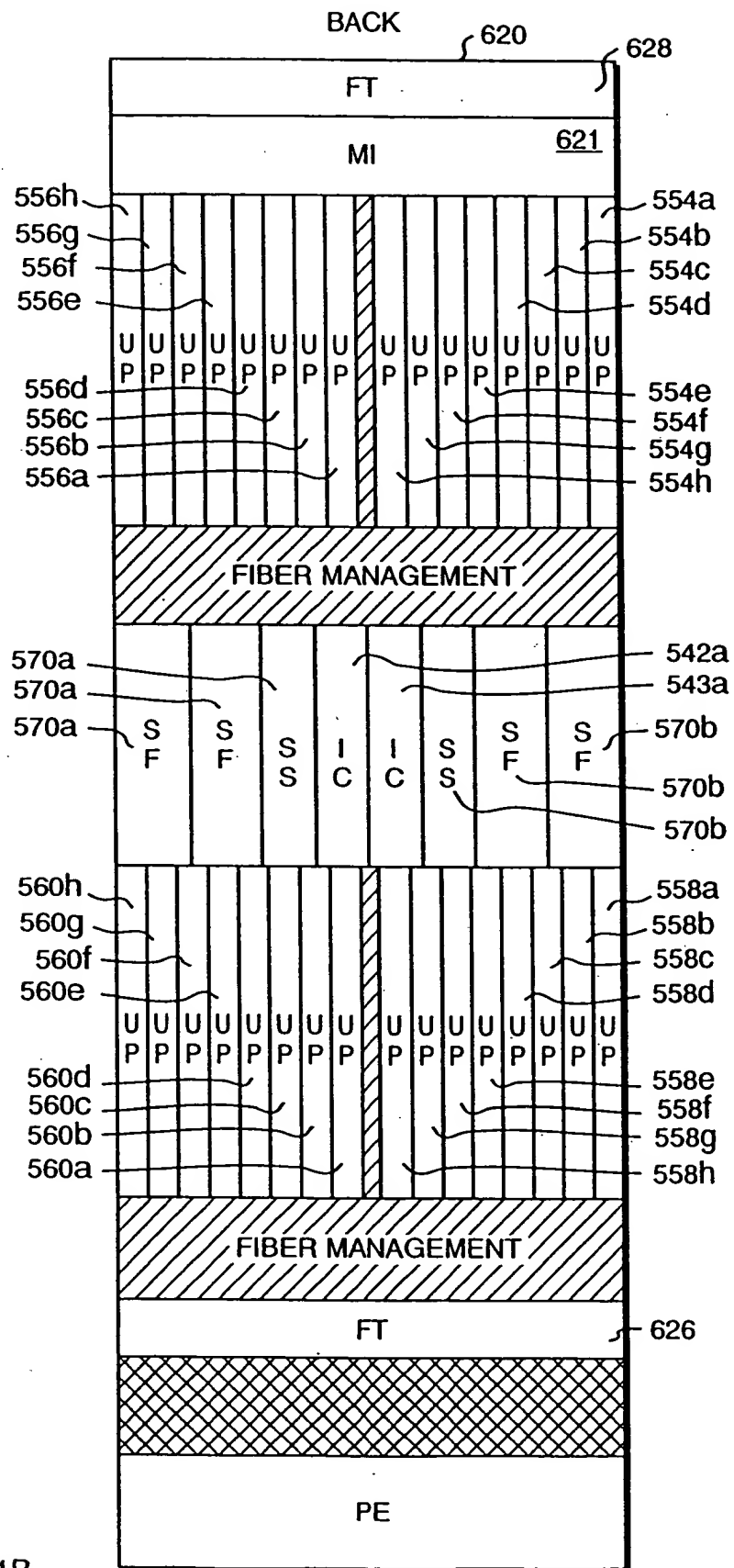


FIG. 41B

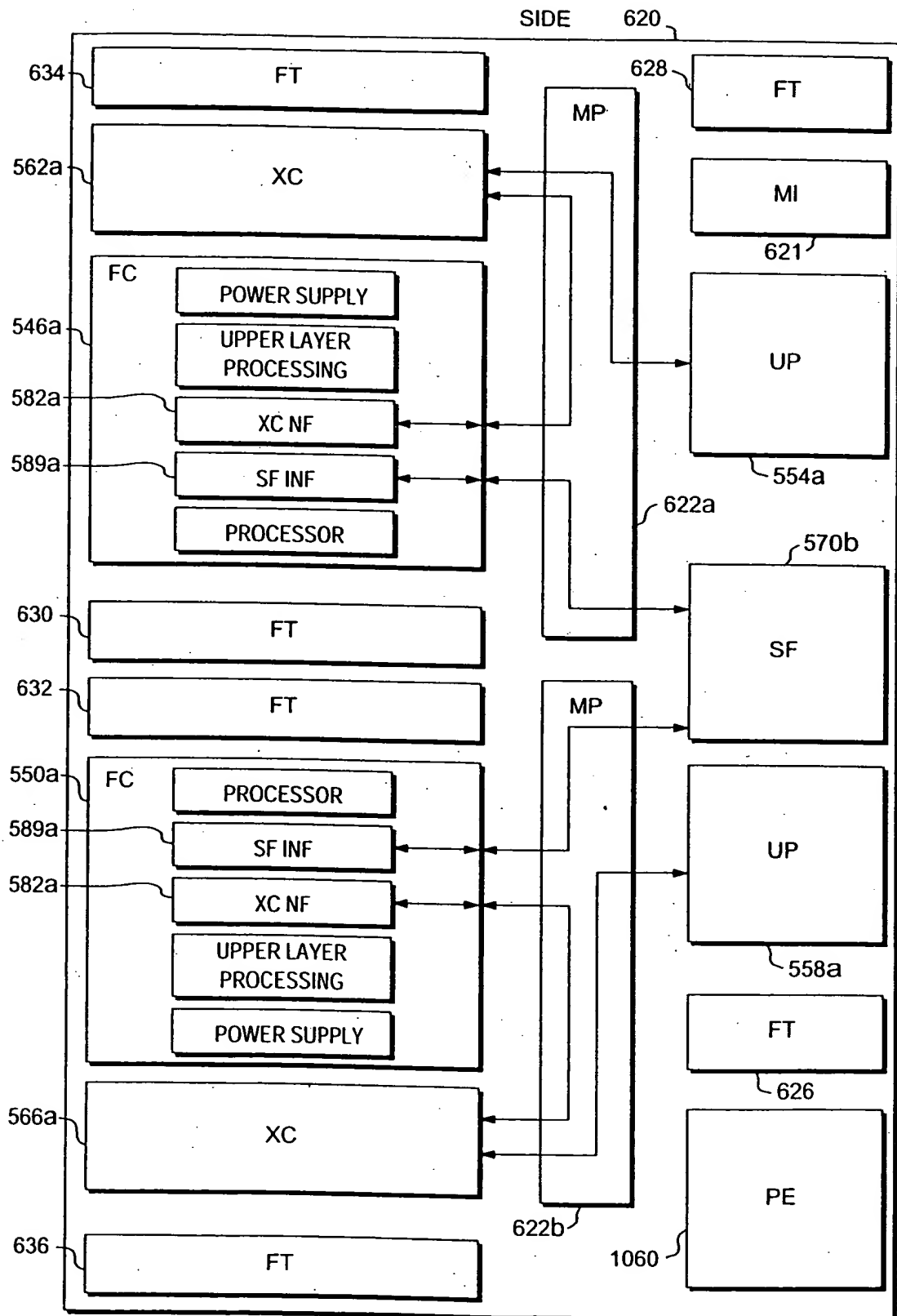


FIG. 41C

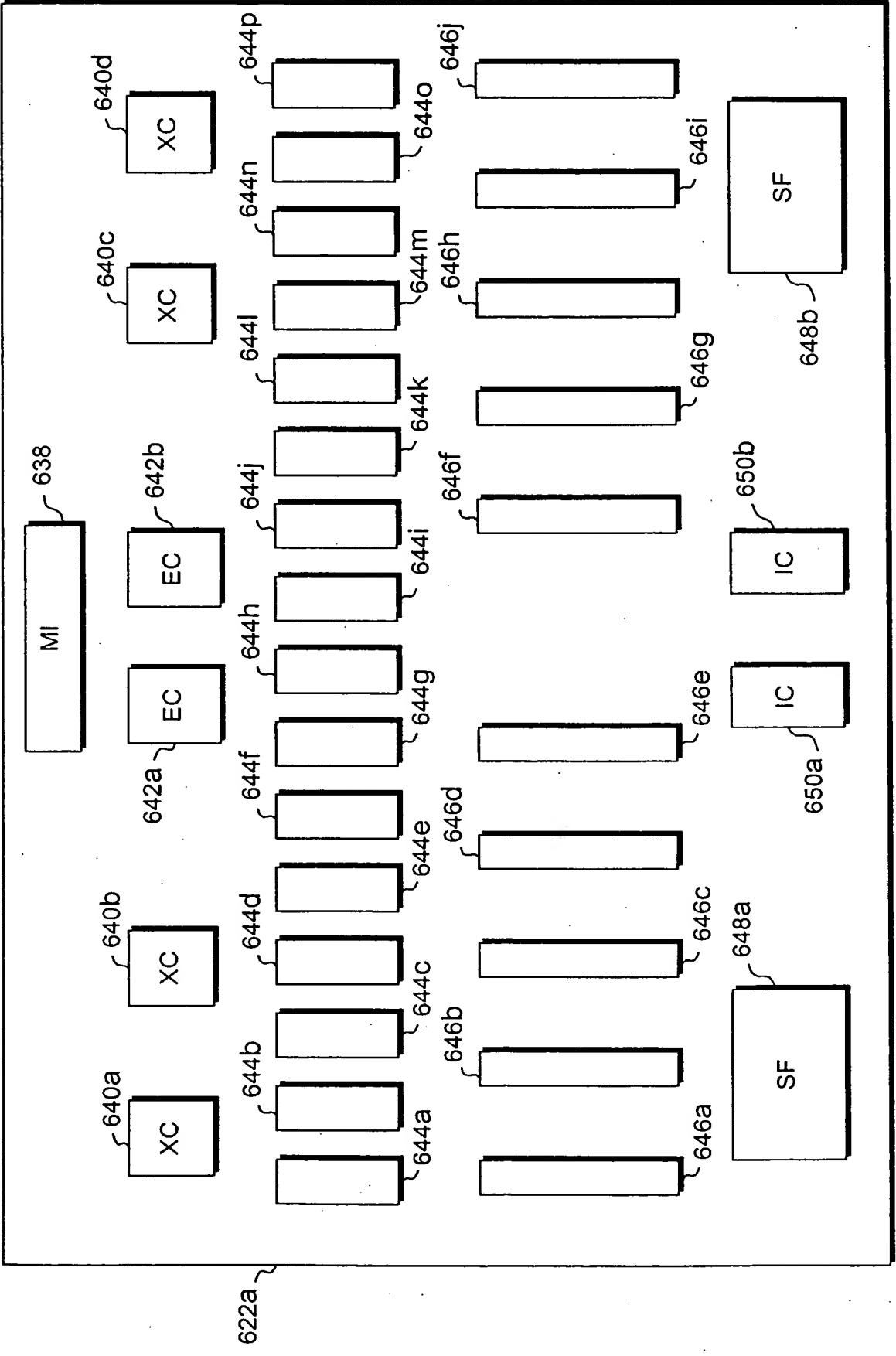


FIG. 42A

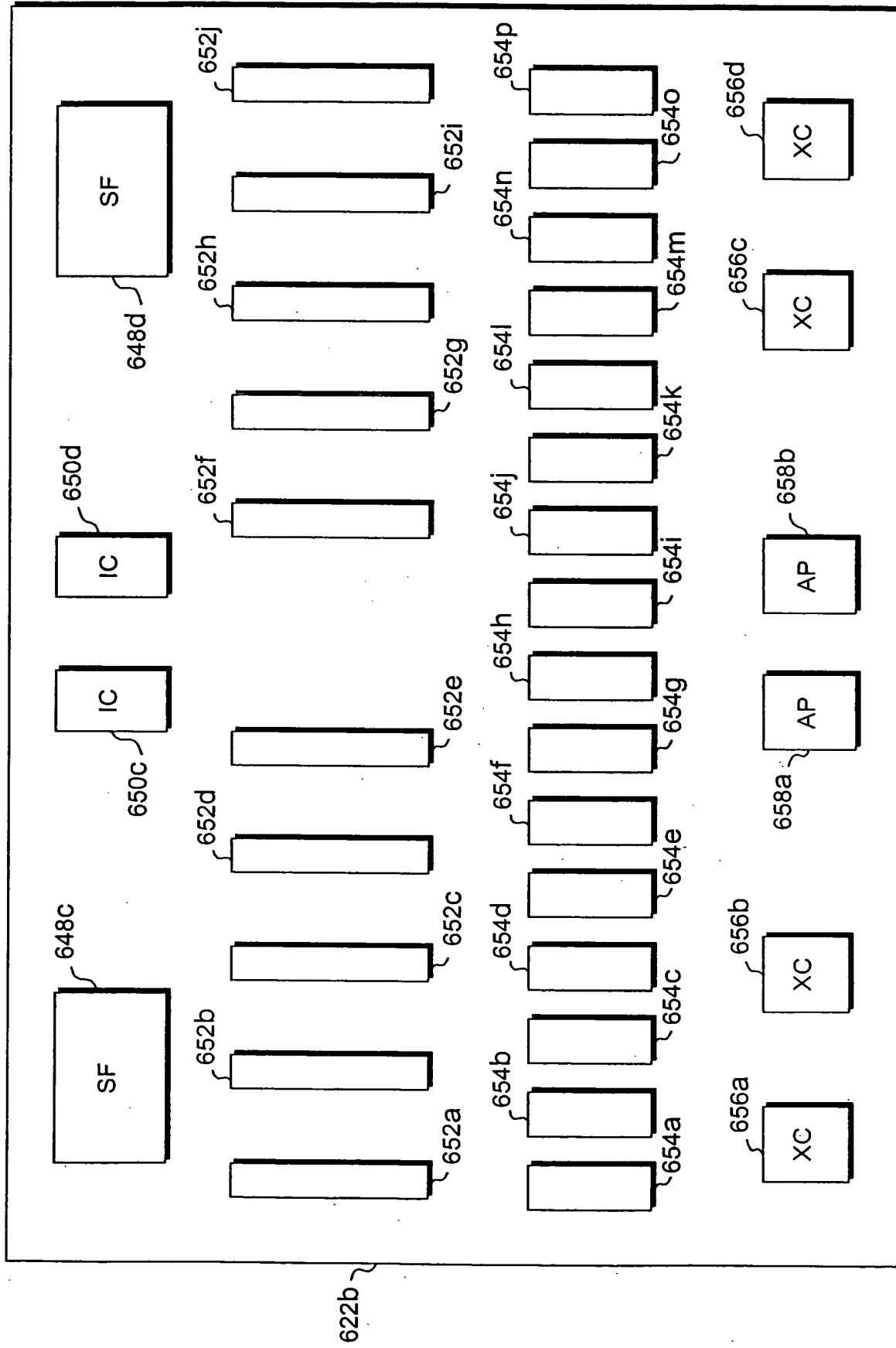


FIG. 42B

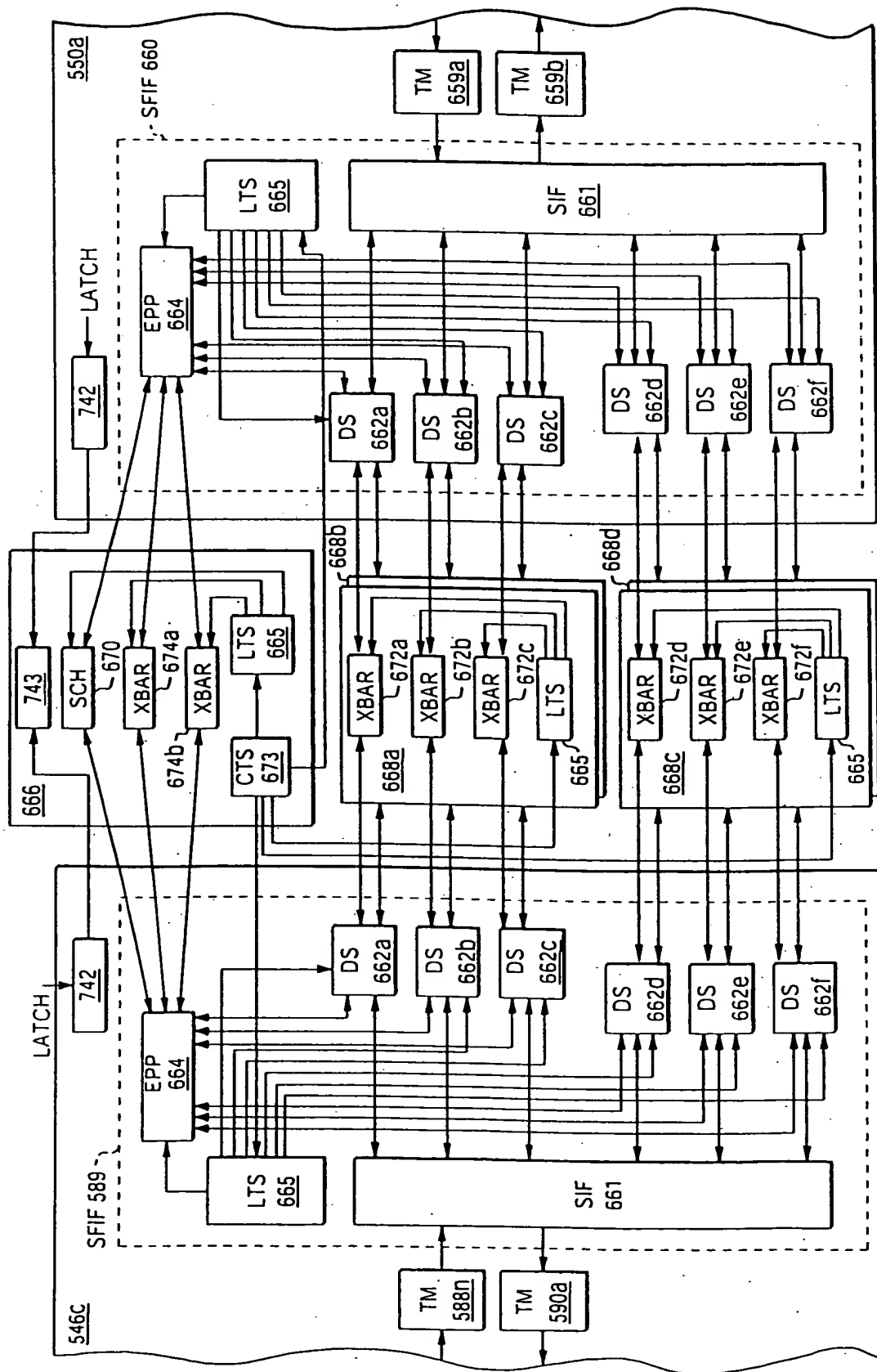


FIG. 43

640

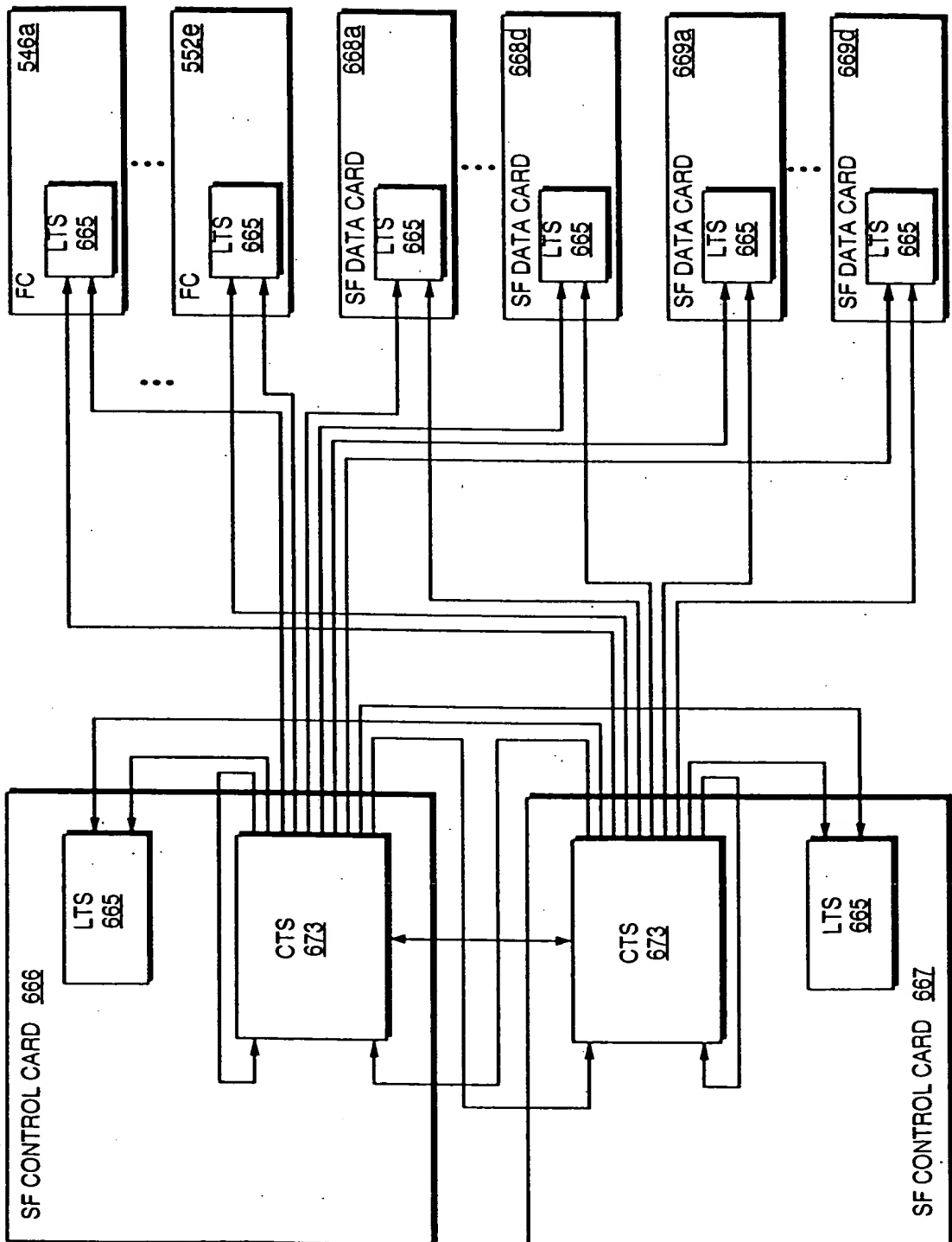


FIG. 44

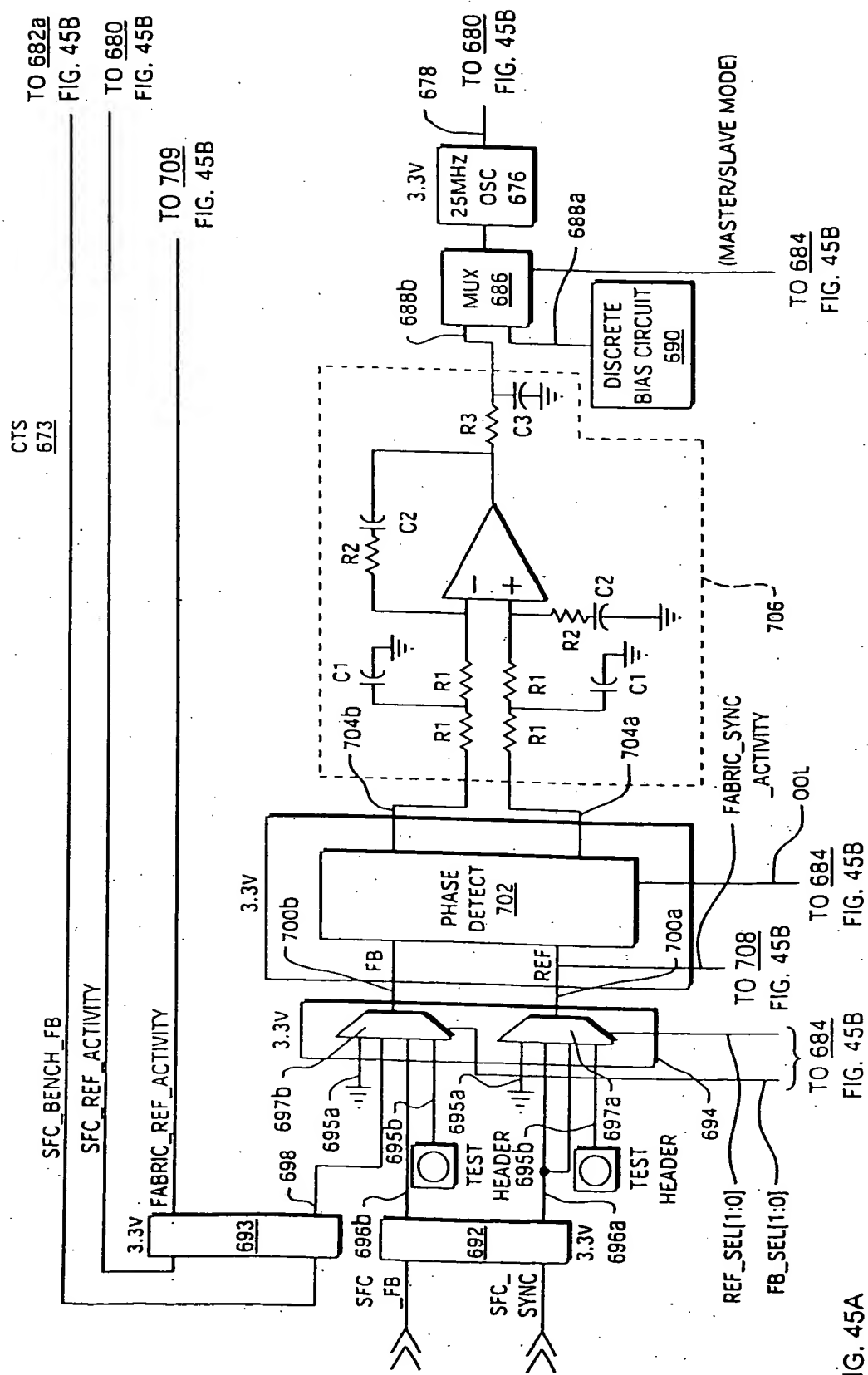
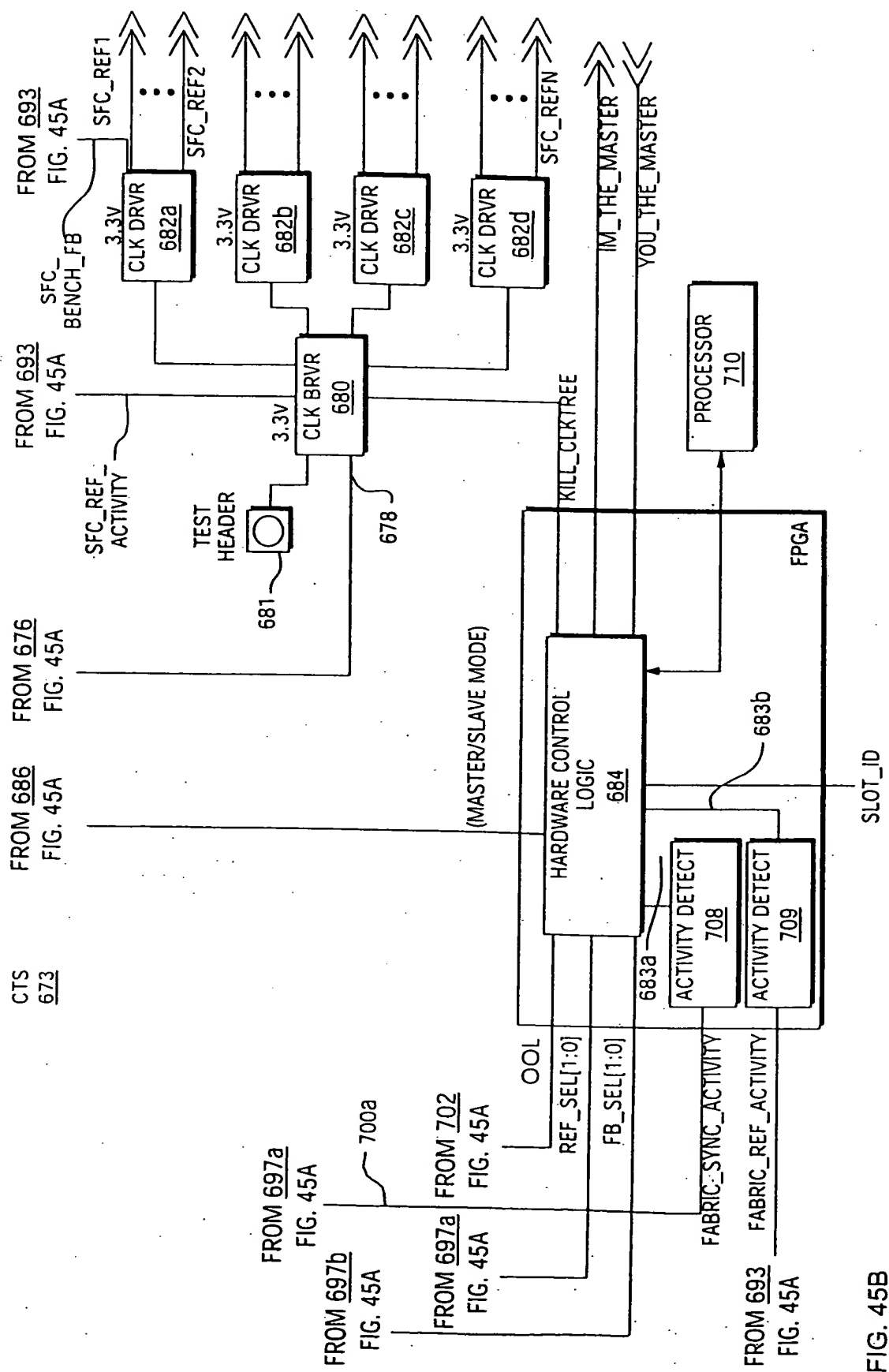


FIG. 45A



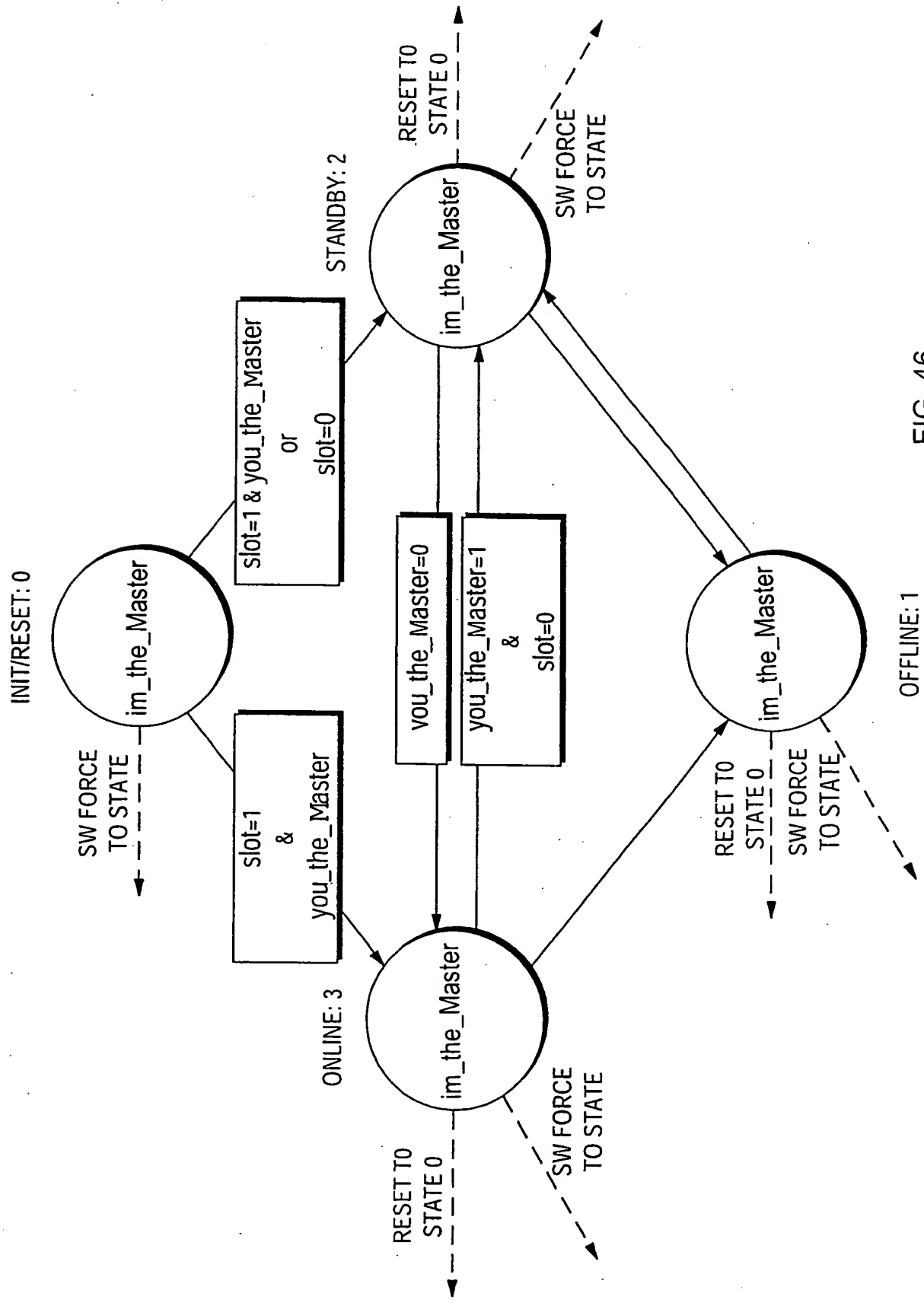


FIG. 46

SFC_FB

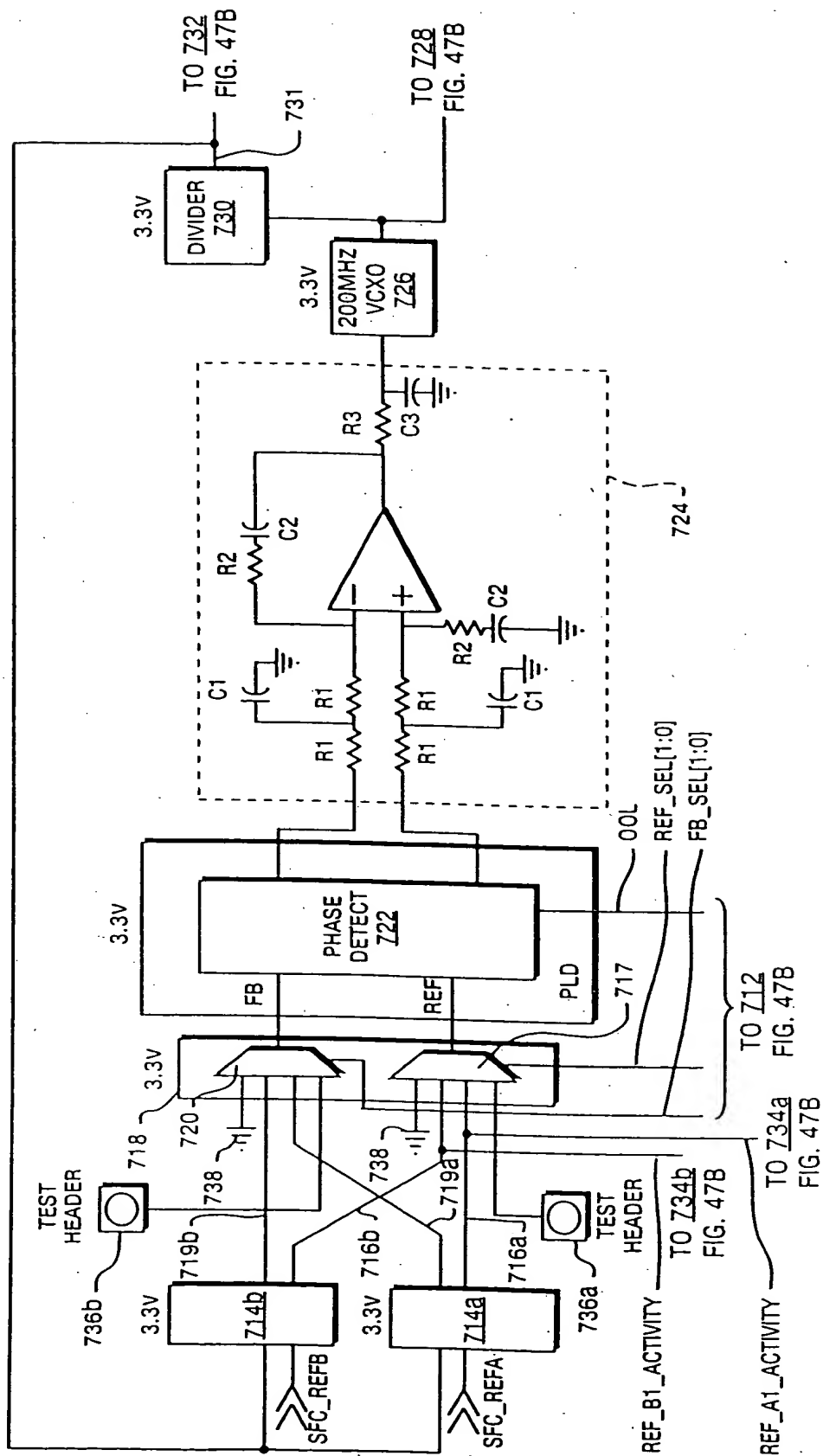


FIG. 47A

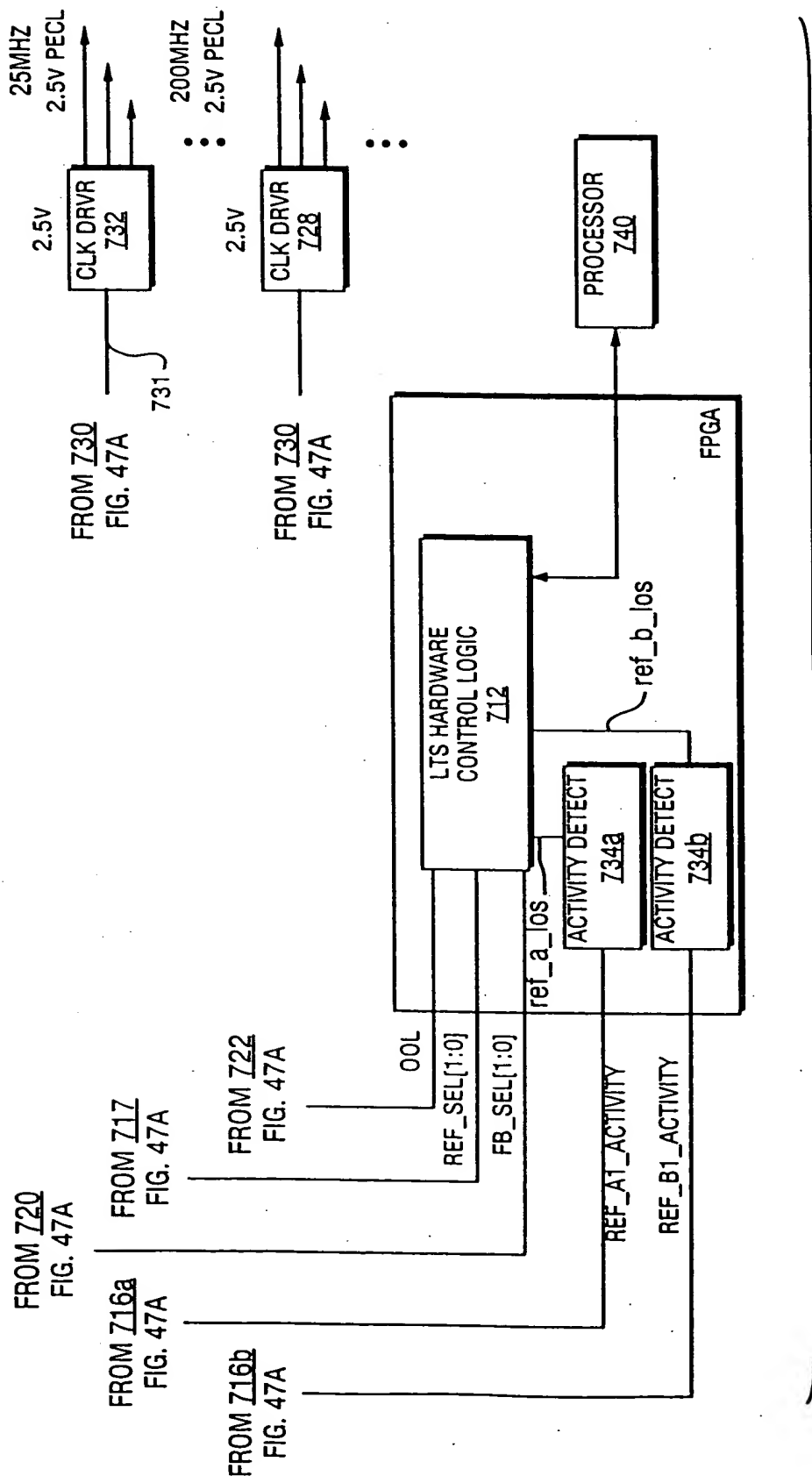


FIG. 47B

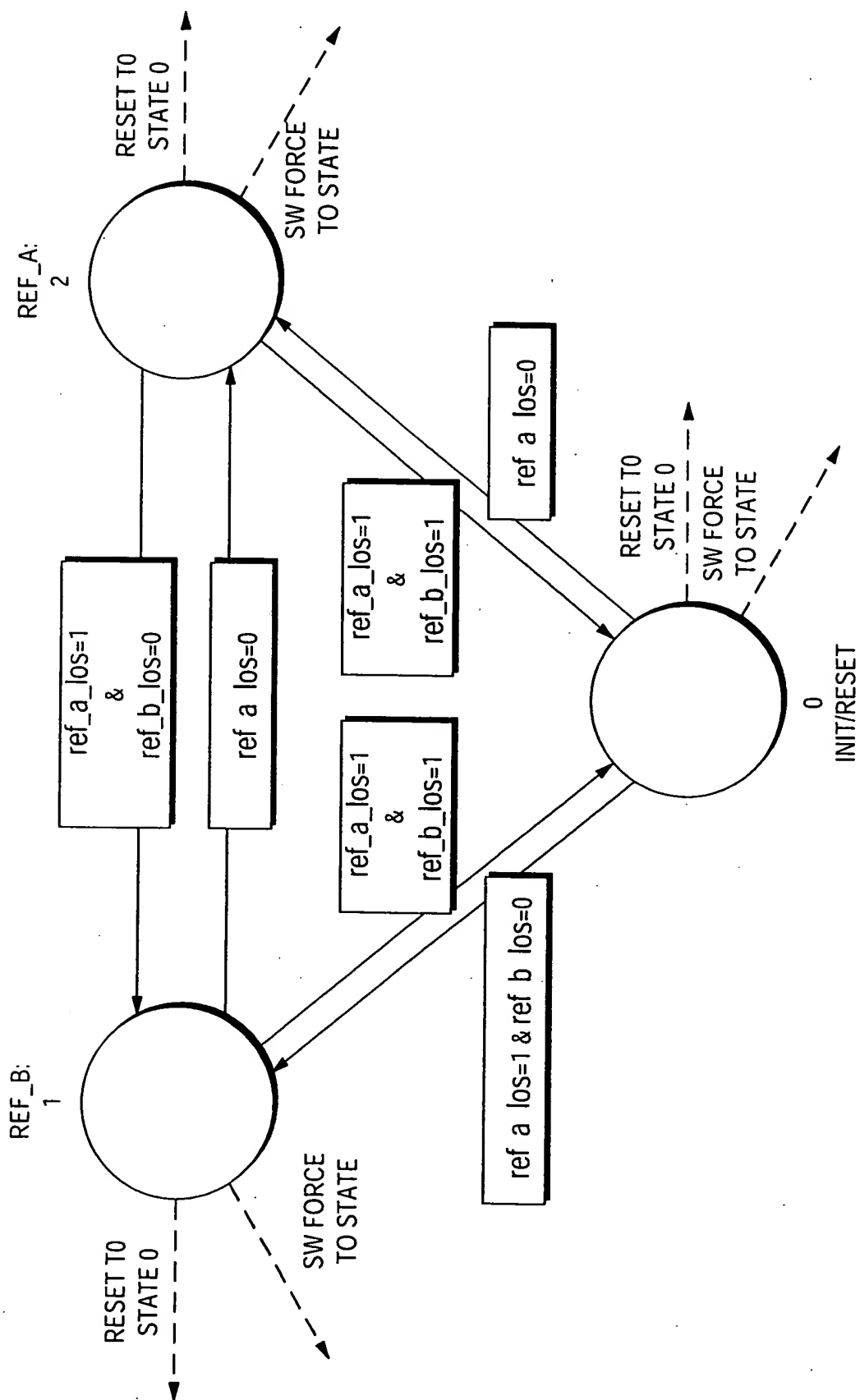


FIG. 48

540

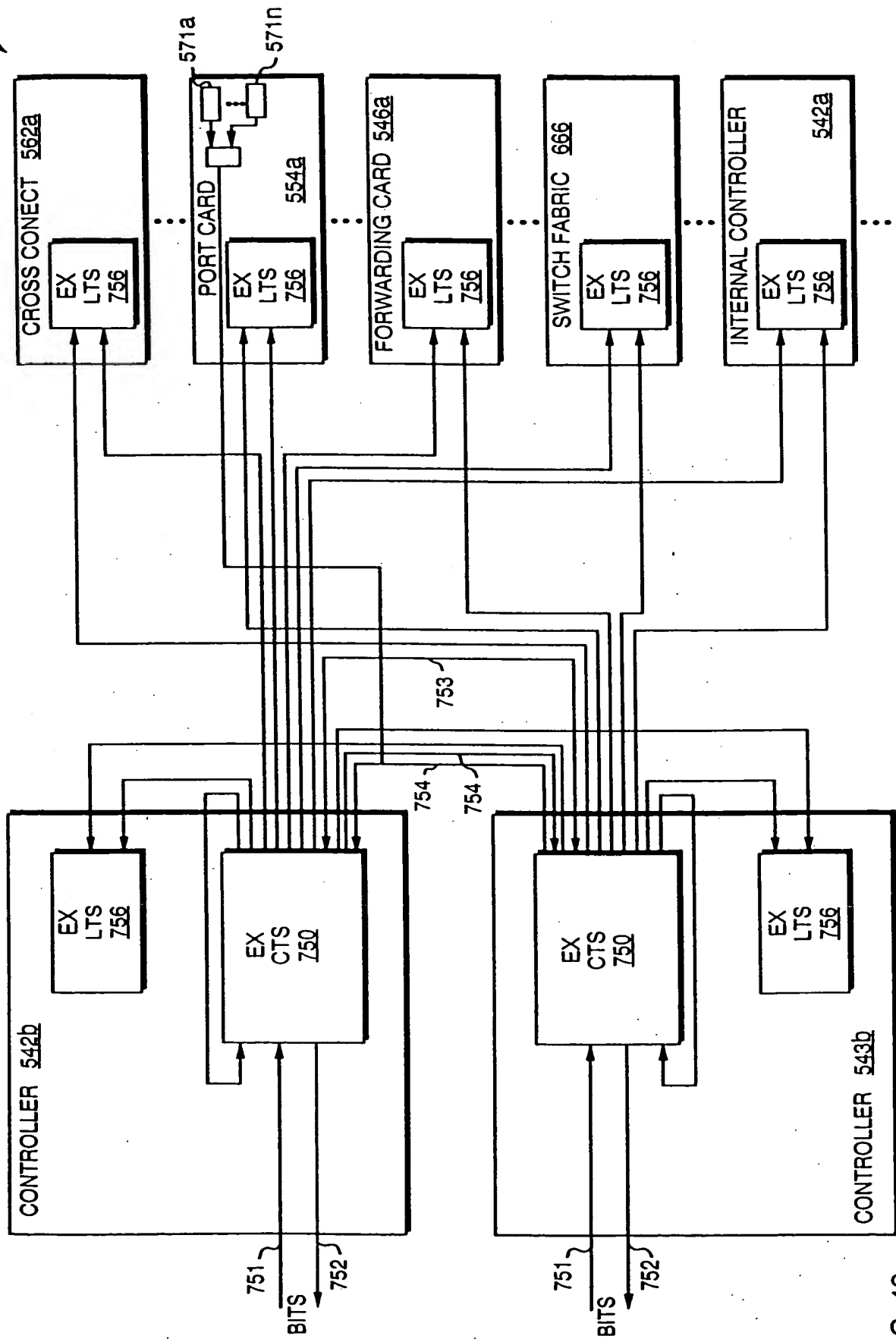


FIG. 49

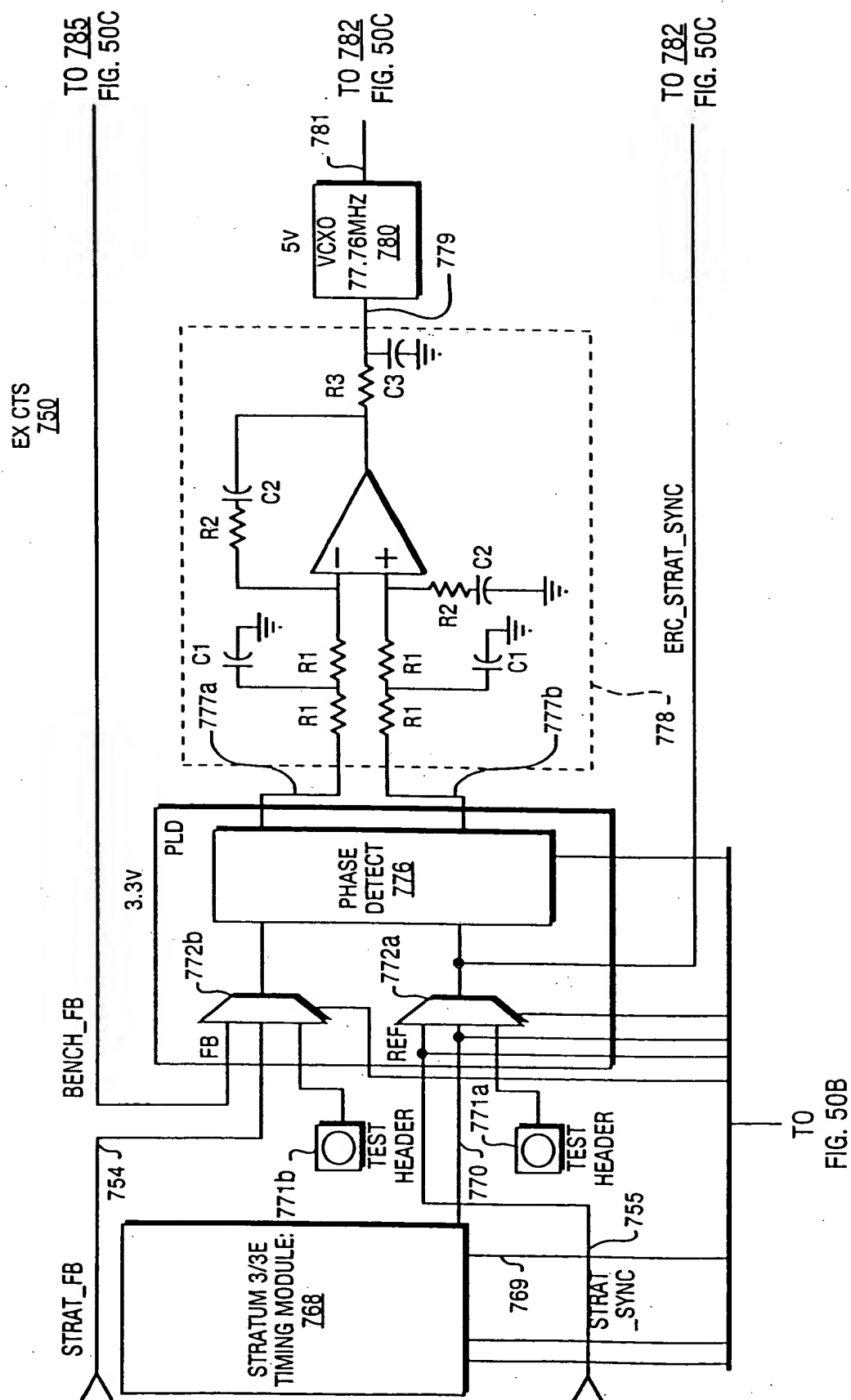


FIG. 50A

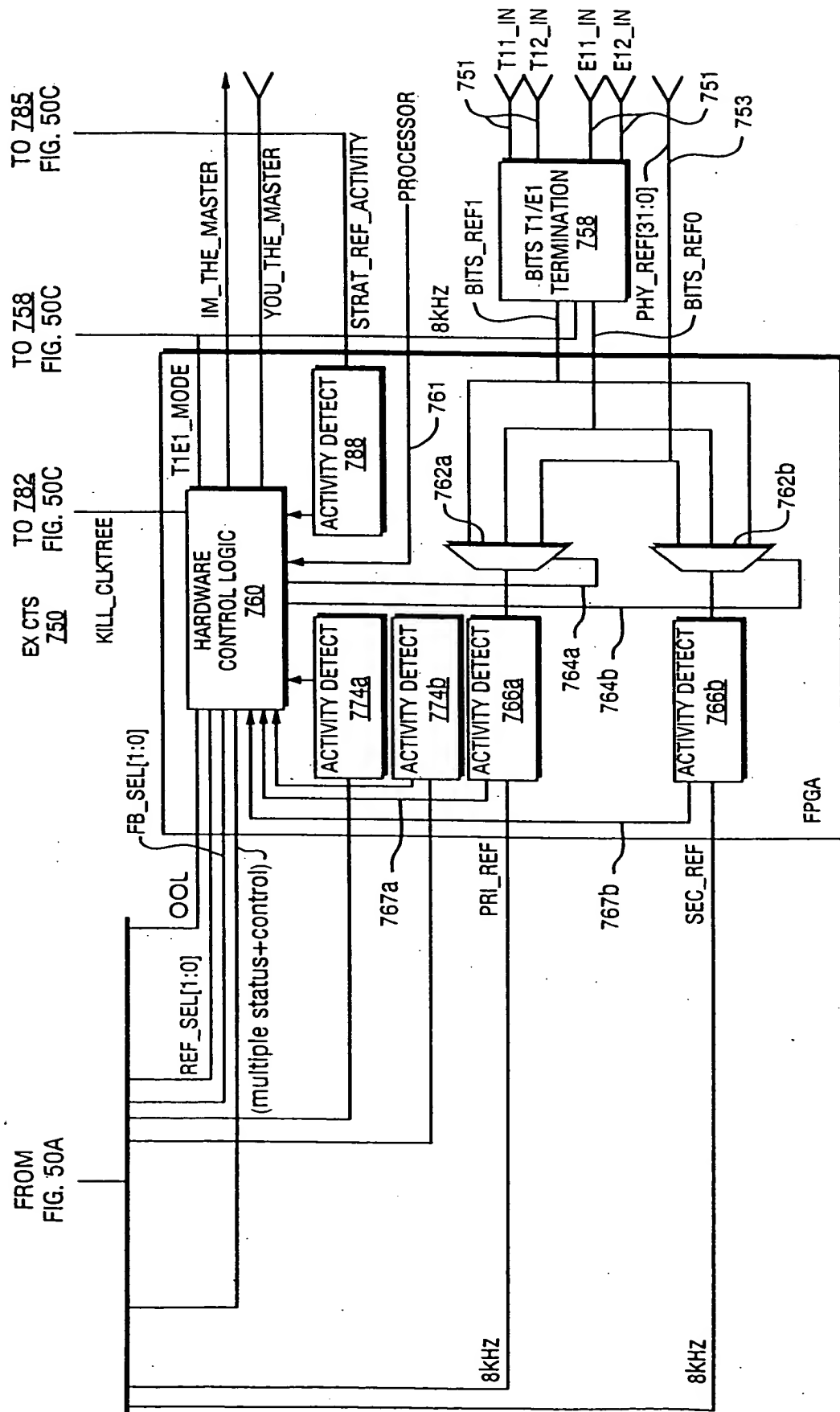


FIG. 50B

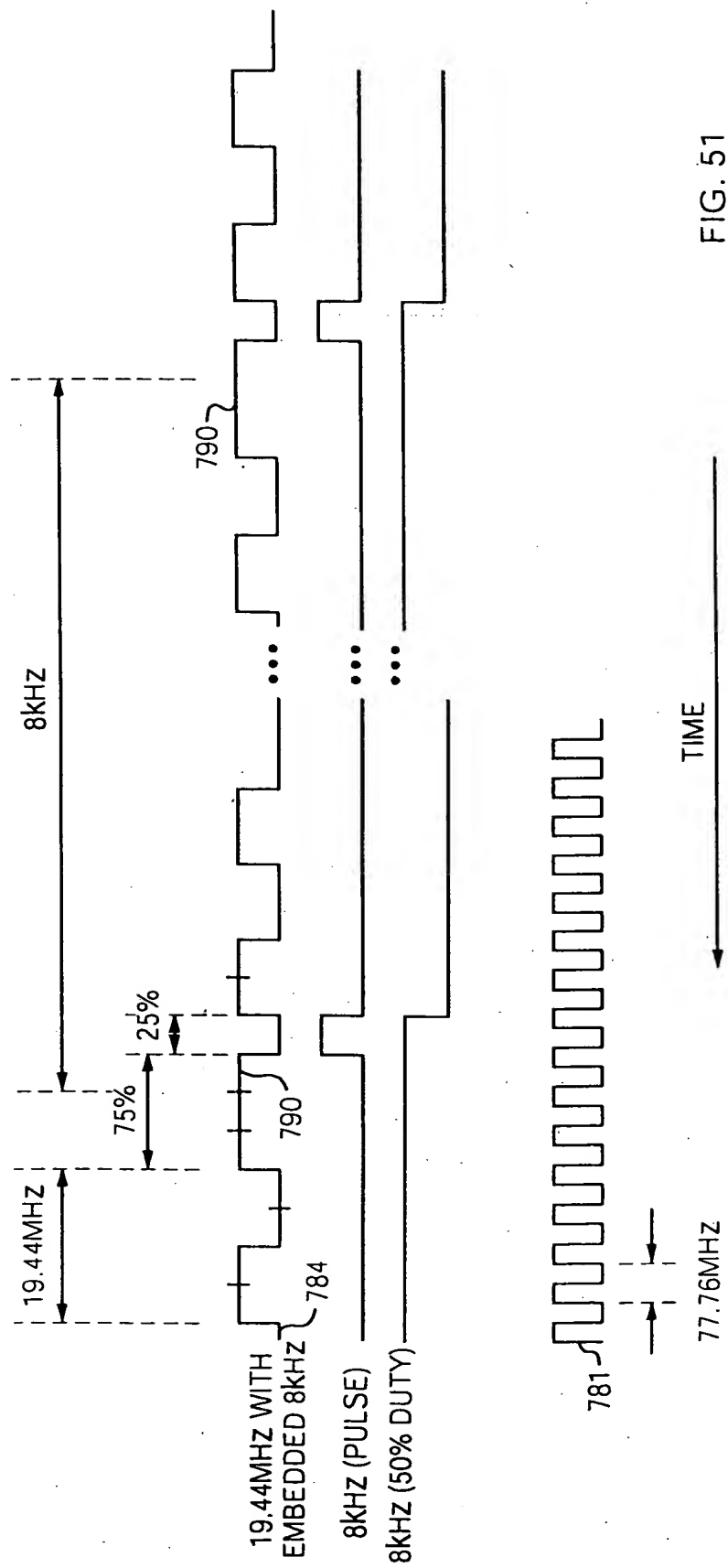


FIG. 51

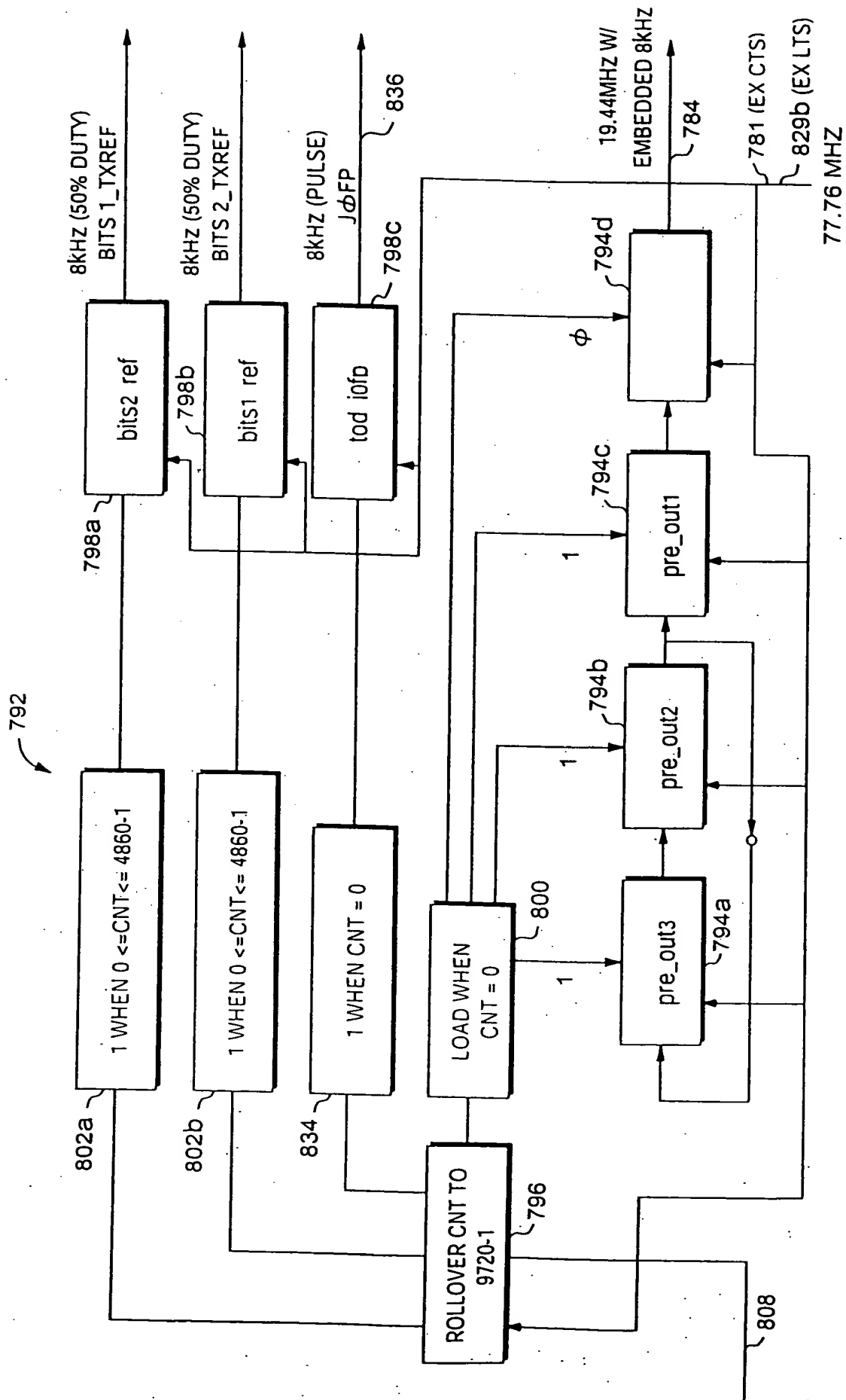


FIG. 52

EXTRACTOR
804

ERC_STRAT_SYNC (EX CTS)
STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
19.44MHZ WITH ENCLOSED 8KHZ
(MUST BE PULLED LOW WHEN NOT PRESENT)

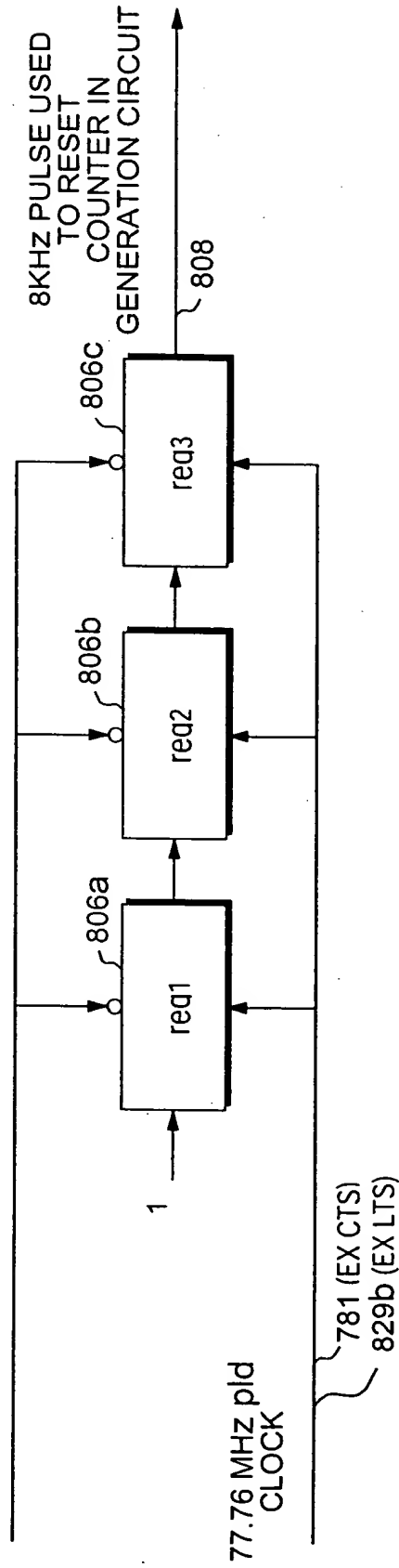


FIG. 53

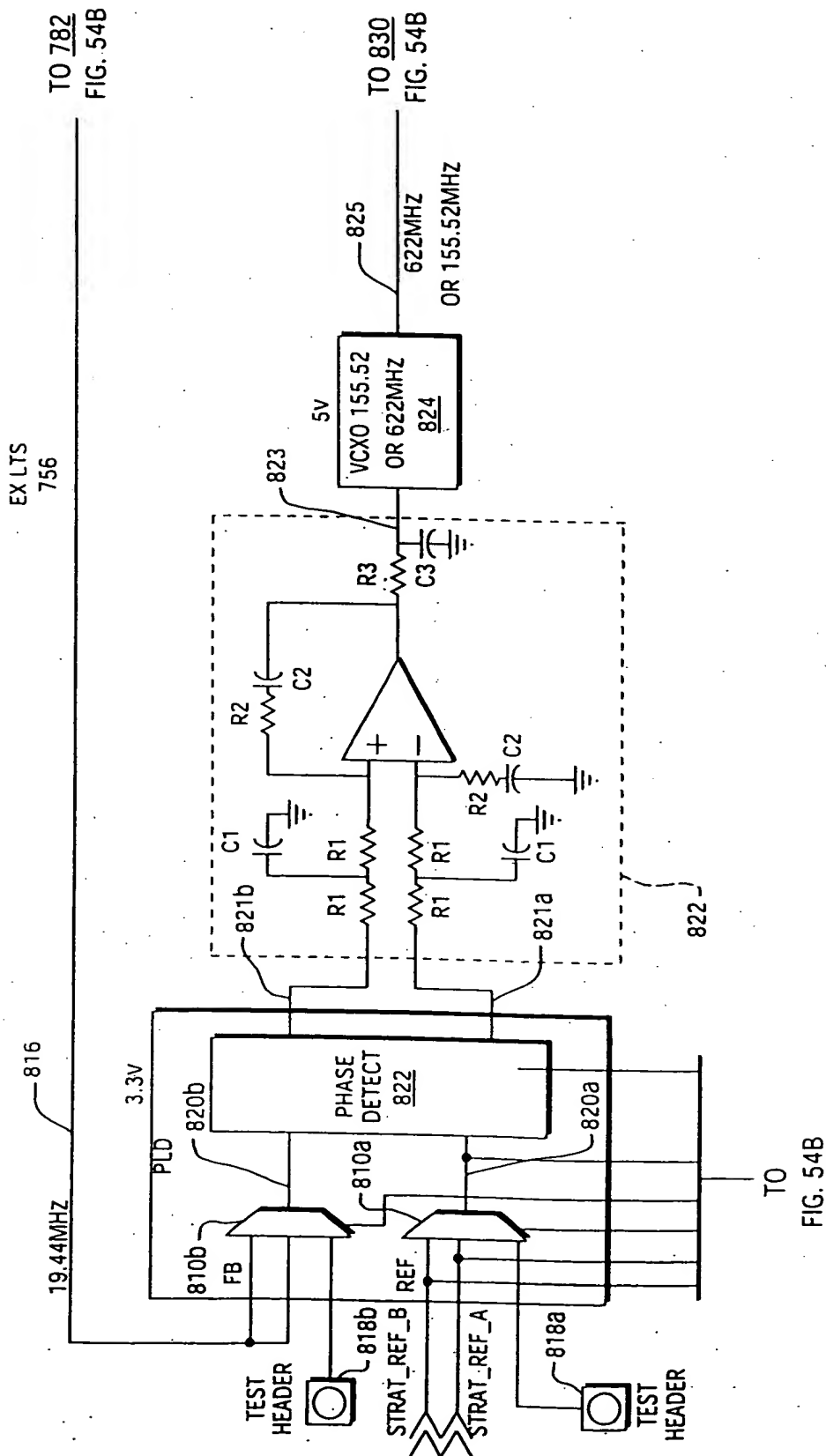


FIG. 54A

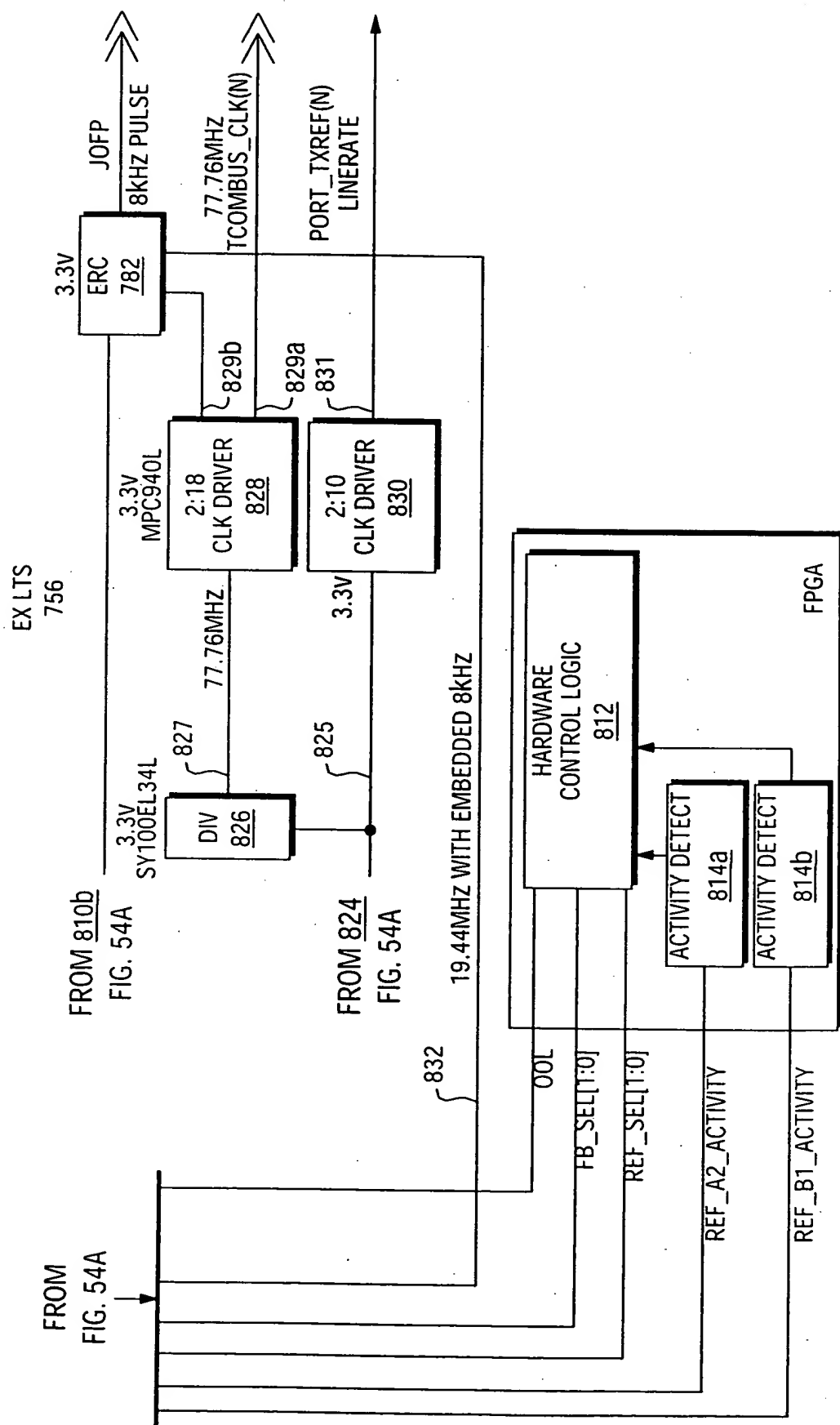


FIG. 54B

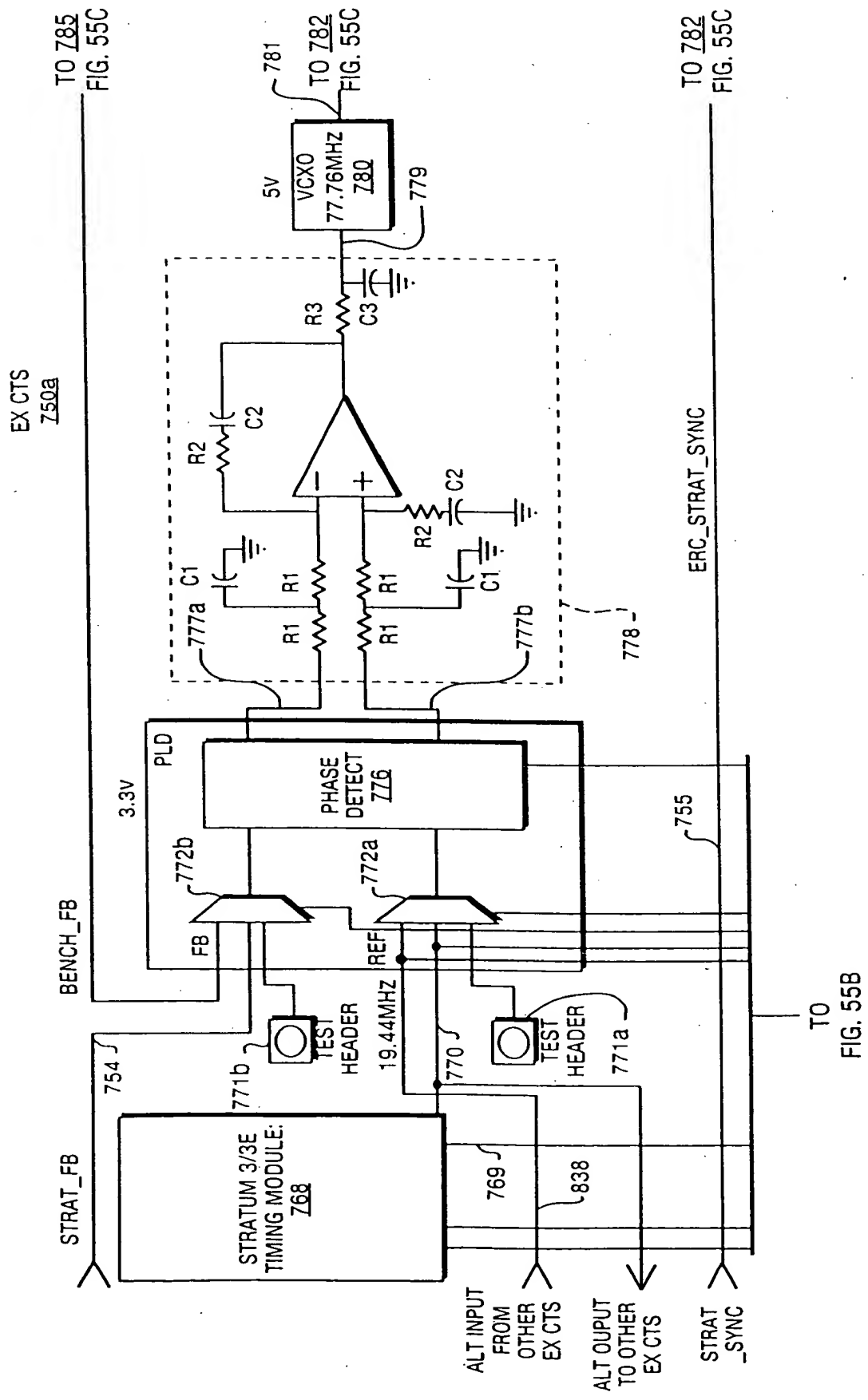
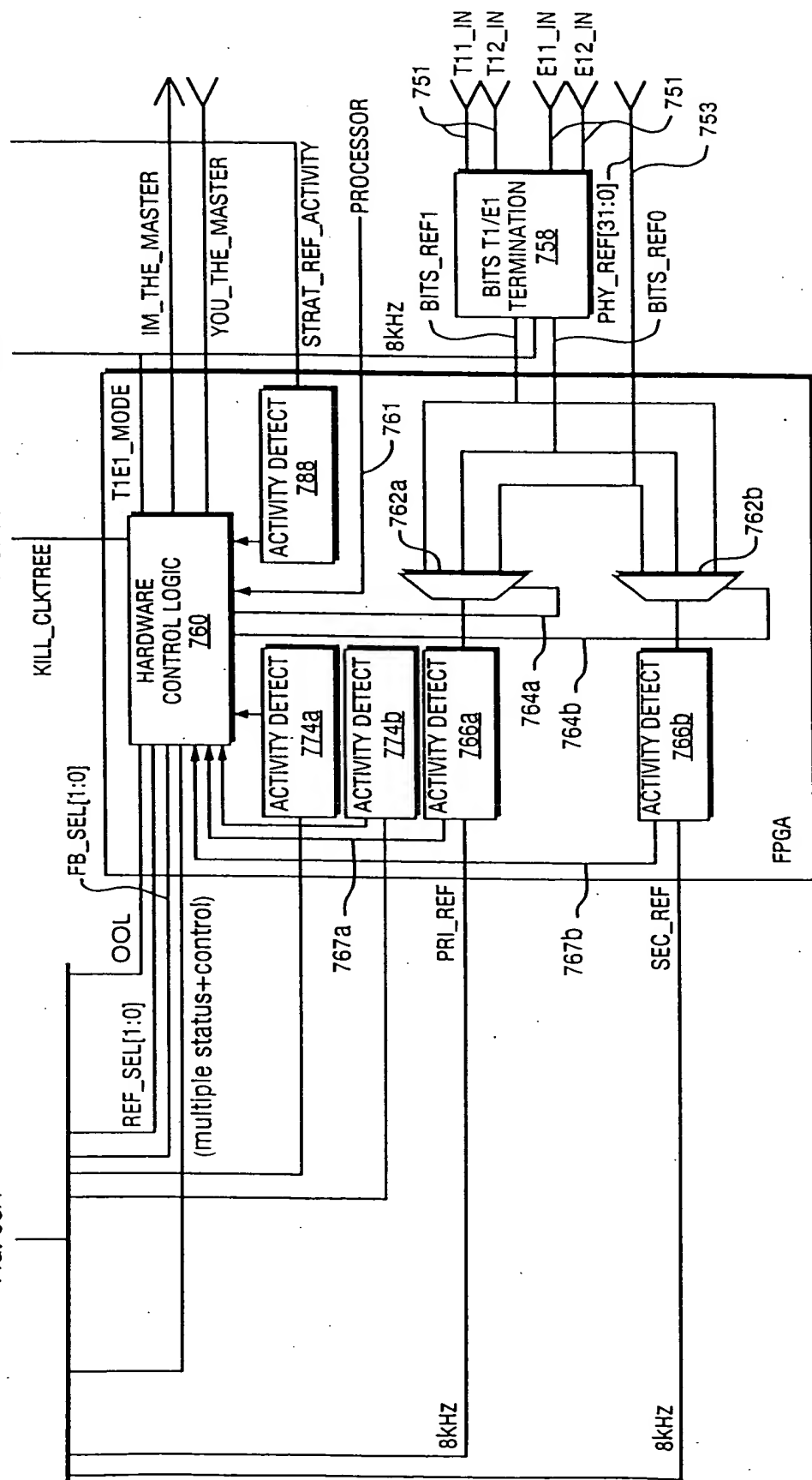


FIG. 55A



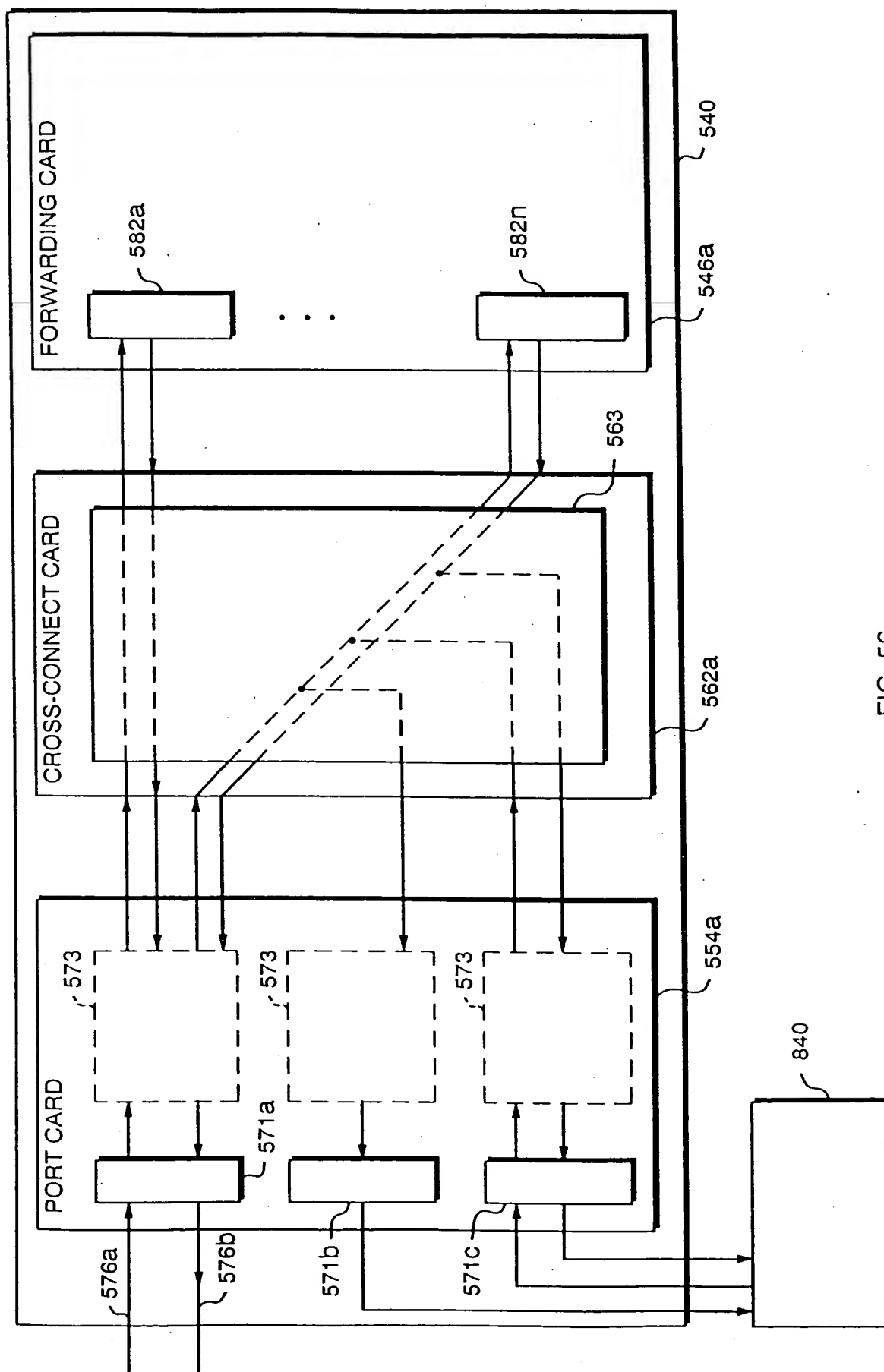


FIG. 56

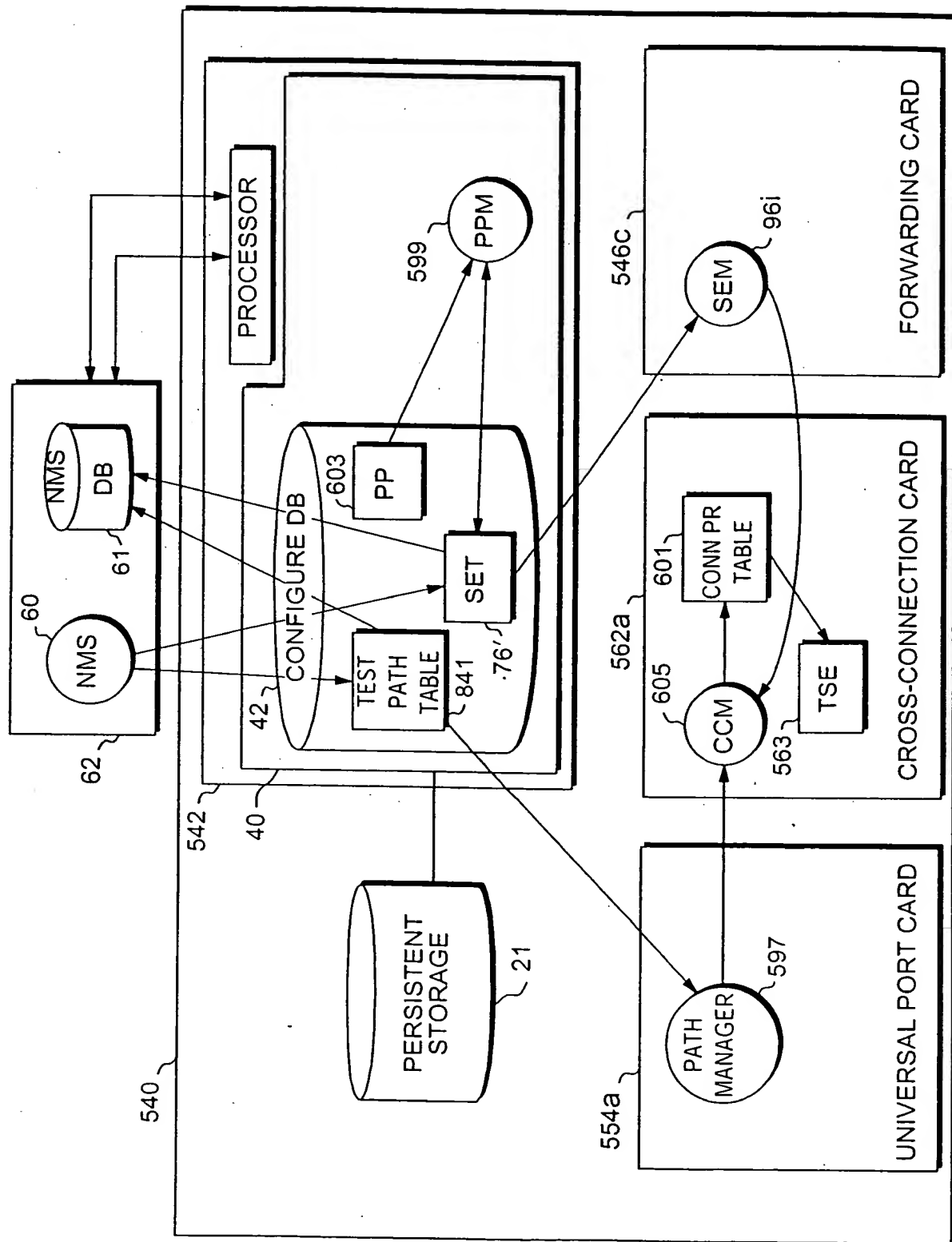


FIG. 57

TEST PATH TABLE 841

			844		845		
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER	...	
1666	1232	4	3	INGRESS	NO		
1666	1233	4	3	EGRESS	NO		
1666	1233	4	3	INGRESS	YES		
.	
.	
.	

FIG. 58